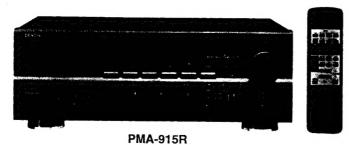
# DENON

## **SERVICE MANUAL**

# MODEL PMA-915R/715R MODEL PMA-915RG/715RG

## **INTEGRATED STEREO AMPLIFIER**



The photograph shows the PMA-915R.
The PMA-915RG (gold) comes with a side cabinet.



PMA-715R
The photograph shows the PMA-715R.
The PMA-715RG (gold) comes with a side cabinet.

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# NIPPON COLUMBIA CO., LTD.

MA-915R/7

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## CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICE-ABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

#### . FOR U.S.A. & CANADA MODEL ONLY

#### CAUTION

TO PHEVENT ELECTRIC SHOCK DO NOT USE THIS IPOLA-RIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY IN-SERTED TO PREVENT BLADE EXPOSURE.

#### . POUR LE MODELE CANADIEN UNIQUEMENT

#### ATTENTION

POUR PREVENIR LES CHOCS ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT.

#### . NUR FÜR EUROPÄISCHE MODELLE

#### Konformitätserklärung

Die DENON Electronic GmbH Halskestraße 32 40880 Rationen

Erklart als Hersteller/Importeur, daß das in dieser Bedienungsanleitung beschriebene Gerät den Technischen Vorschriften für Ton- und Fernsch-Rundfunkemplanger nach der Amtsblattverfügung 868/1989 (Amtsblatt des Bundesministers für Post und Telekommunikation vom 31. 8. 1999) enismricht.

### SAFETY INSTRUCTIONS

- Read Instructions All the safety and operating instructions should be read before the appliance is operated.
- Retain Instructions The safety and operating instructions should be retained for future reference.
- Heed Warnings All warnings on the appliance and in the operating instructions should be adhered to.
- Follow Instructions All operating and use instructions should be followed.
- Water and Moisture The appliance should not be used near water – for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, and the like.
- Carts and Stands The appliance should be used only with a cart or stand that is recommended by the manufacturer.
- 6A. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may caus

by the manufacturer.

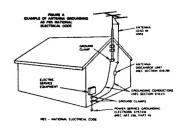
surfaces may cause the appliance and cart combination to overturn.

7. Wall or Ceiling Mounting - The appliance should be

8. Ventilation – The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.

mounted to a wall or ceiling only as recommended

- Heat The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
- Power Sources The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
- Grounding or Polarization Precautions should be taken so that the grounding or polarization means of an appliance is not defeated.



- 12. Power-Cord Protection Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
- Cleaning The appliance should be cleaned only as recommended by the manufacturer.
- Power Lines An outdoor antenna should be located away from power lines.
- 16. Outdoor Antenna Grounding If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna-discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure A.
- Nonuse Periods The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
- Object and Liquid Entry Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
- Damage Requiring Service The appliance should be serviced by qualified service personnel when:
  - A. The power-supply cord or the plug has been damaged; or
  - B. Objects have fallen, or liquid has been spilled into the appliance; or
  - C. The appliance has been exposed to rain; or
  - D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
  - E. The appliance has been dropped, or the enclosure damaged.
- Servicing The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

- Always keep the POWER switch on the main unit turned on.
- 2. Turn the power on and off from the remote control unit.
  3. Unplug the power cord when you do not plun to use the unit for a long.

If only the MUTE/STANDBY LED is lit, this means that the power is turned off from the remote contorl unit. Turn the power on from the remote control unit.

#### HINWEIS

- Lassen Sie den Netzschalter (POWER) am Hauptgerät stets einge-
- 2. Schalten Sie den Strom mit dem Fernhedienungsgerät ein-und aus. Trennen Sie das Netzkabel vom Netz ab, wenn Sie beabsichtigen, das Gerät über einen längeren Zeitraum hinweg nicht zu benutzen.

Wenn nur das Stummschalt-/Bereitschafts-LED (MUTE/STANDBY) leuchtet, so bedeutet dies, daß der Strom vom Fernbedienungsgerät aus ausgeschaltet worden ist. Schalten Sie den Strom vom Fernbedienungsgerät aus ein.

#### REMARQUE:

- S'assurer que le commutateur d'alimentation (POWER) sur l'unité principale soit toujours dans la position activée. Allumer et éteigner l'appareil avec la télécommande
- Débrancher le cordon d'alimentation lorsque l'appareil ne sera pas utilisé pendant une longue période.

#### ATTENTION:

Si seul le térnoin (LED) de sourdine/veille (MUTE/STANDBY) est allume, cela signifie que l'appareil est mis hors circuit par la télécommande. Allumer l'appareil avec la télécommande

#### NOTA:

- Tenete sempre l'interruttore della corrente (POWER) dell'unità principale nella posizione di attivazione.
- Accendete e spegnete la currente usando il telecomando.
- Scotlegate il filo di alimentazione quando avele intenzione di non usare
- l'apparecchio per un lungo periodo

Se sono illuminati solo i LED di attenuazione/attesa (MUTE/ STANDBY), questo significa che la corrente e' stata spenta con il telecomando. Riaccendete la corrente usando il telecomando

#### PRECAUTIONS FOR INSTALLATION

Leave at least 10cm of space between this unit and any other component placed above.

#### SICHERHEITSMASSNAHMEN BEIM EINBAU

Lassen einen Mindestabstand von 10 cm zwischen diesem Gerät und der anderen Komponente, die daraufgestellt wird.

#### PRECAUTIONS D'INSTALLATION

Prévoir un espace d'au moios 10cm entre l'unite et tout autre appareil se trouvant au dessus.

#### PRECAUZIONI PER L'INSTALLAZIONE

Lasciate uno spazio libero di almeno 10 cm fra quest'unità e qualsiasi altro componente che e collocato sopra la stessa

- Mantenga siempre activado el interruptor de alimentación (POWER) en la unidad principal.
- Encienda y apague el equipo desde la unidad de control remoto.
- Cuando la unidad vaya a estar fuera de uso por un periodo prolongado de tiempo, desconecte el cable de alimentación.

#### PRECAUCION:

Cuando sólo el indicador LED de silenciamiento/modo de espera (MUTE/STANDBY) esté encendido, significará que la alimentación a la unidad ha sido desconectada desde la unidad de control remoto. Conecte la alimentación desde la unidad de control remoto.

#### OPMERKING:

- 1. Zorg er altijd voor dat de stroomschakelaar (POWER) van het hoofdtoestel in de ingeschakelde stand staat.
- Schakel de stroom in en uit m.b.v. de afstandsbediening
- 3. Trek het netsnoer uit wanneer u denkt het toestel gedurende een lange periode niet te gebruiken.

#### WAARSCHUWING:

Indien enkel de dempings-(MUTE)/STANDBY LED brandt, betekent dit dat de spanning met de afstandsbediening is uitgeschakeld. Schakel de spanning in met de afstandsbediening.

#### ORSERVERA

- Låt alltid strömbrytaren (POWER) på huvudenheten vara påslagen.
- Slå till/från strömmen med hjälp av fjärrkontrollen.
- Koppla loss nätkabeln om apparaten inte skall användas under lång tid

Om endast MUTE/STANDBY-lampan lyser betyder det att strömmen har stängts av via fjärrkontrollen. Strömmen måste då slås på via fiarrkontrollen igen

- 1. Mantenha o interruptor da Corrente (POWER) na unidade principal sempre ligado.
- Ligue e desligue a corrente a partir da unidade de controlo remoto Desconecte o fio de força quando intentar não utilizar a unidade por longo tempo.

Se apenas se iluminar o LED de surdina/espera (MUTE/STANDBY), isto significa que a força se desligou a partir do controle remoto. Lique a forca a partir do controle remoto.

#### PRECAUCIONES PARA LA INSTALACION

Deje por lo menos 10 cm. de espacio entre esta unidad y cualquier otro componente situado sobre ella

#### VOORZORGSMAATREGELEN

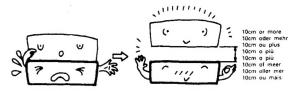
Bij plaatsing dient u een ruimte van minstens 10 cm open te laten tussen dit toestel en een ander erop geplaatst komponent.

#### FÖRSIKTIGHETSÅTGÅRDER VID INSTALLATIONEN

Se till att det finns minst 10 cm moltanrum mellan apparaten och en ev annan apparat som stalls ovannå.

#### CUIDADOS NA INSTALAÇÃO

Deixe um espaço de pelo menos 10 cm entre esta unidade e qualquer outro componente colocado acima



NOTE ON USE/HINWEISE ZUM GEBRAUCH/OBSERVATIONS RELATIVES A L'UTILISATION NOTE SULL'USO/NOTAS SOBRE EL USO/ALVORENS TE GEBRUIKEN/OBSERVERA OBSERVAÇÕES QUANTO AO USO



- Avoid high temperatures
   Allow for sufficient heat dispersion when installed on a rack.
- Vermeiden Sie hohe Temperaturen Beachten Sie, daß eine ausrelchend Luftzirkulation gewährleistet wird, wenn dar Gerät auf ein Regal gestellt wird.
- Eviter des températures élevées Tenir compte d'une dispersion de chaleur suffisante lors de l'installation sur une ėtagėre. Evitate di esporre l'unità a temperature
- Assicuratevi che ci sia un'adeguata dispersione del calore quando installate l'unità in un mobile per componenti audio.
- Evite altas temperaturas Permite la suficiente dispersión del calor cuando está instalado en la consola. Vermijd hoge temperaturen.
- Zorg voor een degelijk hitteafvoer indien het apparaat op een rek wordt geplaatst.
- Undvik höga temperaturer. Se till att det finns möjlighet till god
- vårmeavledning vid montering i ett rack. Evite temperaturas altas Conceda suficiente dispersão de calor quando o equipamento for instalado numa prateleira.



Handle the power cord carefully.

den Stacker herausziehen.

- Hold the plug when unplugging the cord. Gehen Sie vorsichtig mit dem Netzkabel Halten Sie das Kabel am Stecker, wenn Sie
- Manipuler le cordon d'alimentation avec précaution. Tenir la prise lors du débranchement du
- Manneggiate il filo di alimentazione con
- Agite per la spina quando scollegate il cavo Maneje el cordón de energia con cuidado. Sostenga el enchute cuando desconecte el
- cordón de energía. Hanteer het netsnoer voorzichtig. Houd het snoer bij de stekker vast wanneer deze moet worden aan- of losgekoppeld. Hantera nätkabeln varsamt.
- Håll i kabeln när den kopplas från eluttaget.
- · Manusaie com cuidado o fio condutor de energia. Segure a tomada ao desconectar o fio.

4



- Keep the set free from moisture, water, and
- dust. Halten Sie das Gerät von Feuchtigkeit,
- Wasser und Staub fern.
  Protéger l'appareil contre l'humidité, l'eau at la poussière. Tenete l'unità lontana dall'umidità, dall'ac-
- que e dalla polvere.

  Mantenga el aquipo libre de humedad, saus v potvo.
- Last geen vochtigheid, water of stof in het apparaat binnendringen.
  Utsätt inte apparaten för fukt, vatten och
- Mantenha o aparelho livre de qualquer



- Unplug the power cord when not using the
- set for long periods of time.

  Wenn das Gerät eine längere Zeit nicht verwendet werden soll, trennen Sie das Netzkabel vom Netzstecker.
- Débrancher le cordon d'alimentation lors-que l'appareil n'est pas utilisé pendant de
- longues périodes. Disinnestate il filo di alimentazione quando avete l'intenzione di non usare il filo di alimentazione per un lungo periodo di tempo
- Desconecte el cordón de energía cuando no utilice el equipo por mucho tiempo Neem altijd het netsnoer uit het stopkontakt wanneer het appareat gedurende een
- lange periode niet wordt gebruikt. Koppla ur nätkabeln om apparaten inte kommer att användas i lång tid.
- Desligue o fio condutor de força quando o aparelho não tiver que ser usado por um



\*(For sets with ventilation holes)

- Do not obstruct the ventilation holes. Die Belüftungsöffnungen dürfen nicht ver-
- Ne pas obstruer les trous d'aération Non coprite i fori di ventilazione.
- No obstruya los orificios de ventilación De ventilatieopeningen mogen niet worden beblokkeerd.
- Täpp inte till ventilationsoppningarna. Não obstrua os prificios de ventilação



- Keine fremden Gegenstände in das Gerät kommen lassen.
- Ne pas laisser des objets étrangers dans l'appareil.
- E' importante che nessun oggetto è inserito
- all'interno dell'unità.

  No deje objetos extraños dentro del
- equipo.

  Laat geen vreemde voorwerpen in dit
- annarast vallen Se till att frammande föremål inte tranger
- in I apparaten.
- Não deixe objetos estranhos no aparelho.

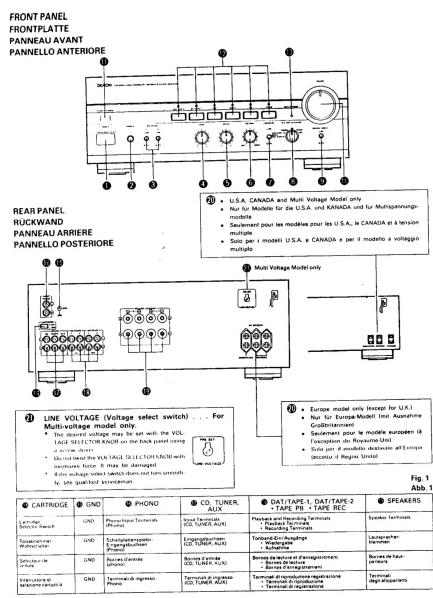


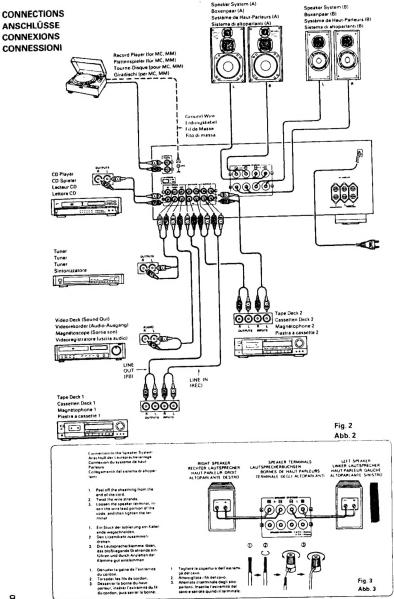
- . Do not let insecticides henzene and thin
- ner come in contact with the set. Lassen Sie das Gerät nicht mit Insektiziden Benzin oder Verdünnungsmitteln in Be rührung kommen.
- Ne pas mettre en contact des insecticides,
- du benzène et un diluant avec l'appareil. Assicuratevvi che l'unità non venga in
- contatto con insetticidi, benzolo o solventi No permita el contacto de insecticidas
- gasolina y diluyentes con el equipo.
  Laat geen insektenverdelgende middelen. benzine of vertverdunner met dit apparaat in kontakt komen
- Se till att inte insektsmedel på spraybruk, bensen och thinner kommer i kontakt med apparatens hólje.
- Não permita que inseticidas, benzina e dissolvente entrem em contacto com o



- Never disassemble or modify the set in any way.

  • Versuchen Sie niemals das Gerät auseinan-
- der zu nehmen oder auf jegliche Art zu verandern.
- Ne jamais démonter ou modifier l'appareil d'une manière ou d'une autre. · Non smontate mai, nè modificate l'unità in
- nessun modo. Nunca desarme o modifique el equipo de ninguna manera.
- · Nooit dit apparaat demonteren of op andere wijze modifieren Ta inte isar apparaten och forsok inte
- bygga om den. Nunca desmonte ou modifique o aparetho de aiguma forma





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#### DESIGNATIONS AND FUNCTIONS OF PANEL CONTROLS

#### POWER (Power Switch)

When the power switch is turned ON (-), the MUTE/ STANDBY LED ( lights.

When the power switch is turned ON, power is supplied to the unit. It takes a few seconds after the power is turned on for the unit to warm up. This is due to the built-in muting circuit that eliminates noise during the on/off operation.

#### PHONES (Headphone Jack)

This jack is used to plug in the headphones.

#### SPEAKERS (Speaker Selection Switch)

The PMA-915R/715R can be connected to two speaker systems: speaker system A and speaker system B When A is pressed the speaker system connected to speaker output terminals A operates.

When B is pressed, the speaker system connected to speaker output terminals 8 operates.

When A and B are pressed on together, both speaker systems operate simultaneously. When the A and B switches are both off (in the out position), there is no output from the speaker terminals. This setting is used to listen to playback through the headphones.

#### BASS (Bass Control)

This knob is used to control the bass quality of the sound. When the knob is set at the center position, the frequency characteristics are flattened in the range below 1000 Hz. The bass is emphasized as the knob is moved off center to the right ( \( \cap \)), and reduced as it is moved to the left ( \( \cap \)). When volume control @ is set to the right of the center position, the effect of the other controls is reduced.

#### TREBLE (Treble Control)

This knob is used to control the treble quality of the sound. When the knob is set at the center position, the frequency characteristics are flattened in the range above 1000 Hz. The treble is emphasized as the knob is moved off center to the right ( ), and reduced as it is moved to the left ( ). When volume control @ is set to the right of the center position, the effect of the other controls is reduced.

#### BALANCE (Balance Control)

This knob is used to adjust the balance between the left and right channels. When it is set to the center position, the amplitude of the amplifier is equal on both sides. If there is a difference in the left and right channel output voltages for a cartridge, move the knob to the left and the right to adjust it. If the volume on the right side is too low, turn the knob to the right ( ). If the volume on the left side is too low, turn the knob to the left ( ( )). This will achieve an even balance on the left and right sides.

#### LOUDNESS (Loudness Switch)

When the volume is low, it is difficult for the human ear to clearly distinguish notes in the low and high frequency ranges. The loudness switch allows a simple "one-touch" correction of this difficulty. Press the loudness switch ON ( - ) when listening to music at a low volume. The low notes and high notes will be corrected to produce a natural sound

#### REC OUT SELECTOR (Rec Out Select Switch)

Use this switch to select the recording component.

- · PHONO: Used to recording from the turnt-
- · CD: Used to recording from the CD player.
- TUNER: Used to recording from the tuner. · AUX: Used to recording component that
- connected to the AUX terminal DAT/TAPE-1 ▶ 2:Used to recording from the tape deck connected to the DAT/TAPE-1 iacks.
- DAT/TAPE-2 ▶ 1:Used to recording from the tane deck connected to the DAT/TAPE-2 iacks

#### SOURCE DIRECT (Source Direct Switch)

The controls (BALANCE, LOUDNESS, and TONE) can be used when this switch is in the OFF ( . ) position When set to the ON ( - ) position, the above controls are by-passed and the signals are input directly to the volume control circuit, providing high quality sound.

#### **VOLUME (Volume Control)**

This knob controls the overall volume level. Turn the knob to the right ( ) to raise the volume and to the left ( ( ) to lower it.

#### REMOTE SENSOR (Remote Control Sensor)

This sensor receives the infra-red light transmitted from the wireless remote control unit.

For remote control, point the wireless remote control unit towards the sensor.

#### INPUT SELECTOR (Input Select Switch)

Use these to select the program source.

When the button for the desired program source is selected, its LED lights. One program source only can be selected at a time, as follows:

- PHONO: Used to select the output from a turntable that is connected to the PHONO terminal. Use the PHONO switch (Rear Panel Side) to switch the sensitivity to correspond to the cartridge type being used.
- · CD: Used to listen a compact disc player or other component that is connected to the CD terminal
- . TUNER: Used to play a component such as an FM/AM tuner or a TV tuner that is connected to the TUNER terminal.
- · ALIX Used to play a component such as a Hi Fi video player, TV tuner, 8-track tape player or tape deck that is connected to the AUX terminal.
- · DAT/TAPE-1:

Use this Position when using the tape deck. etc., connected to the DAT/TAPE-1 jacks.

DAT/TAPE-2:

Use this Position when using the tape deck, etc., connected to the DAT/TAPE-2 jacks.

#### MUTE/STANDBY LED

This LED flashes while the muting circuit is activated when the power is turned on and when muting is turned on from the remote control unit, and remains lit (without flashing) while the power is on.

## PHONO (Cartridge Selection Switch): Rear Panel

This switch is set according to the type of player cartridge to be used.

- MC ( ... ): Used when an MC (moving-coil) cartridge with an output of less than 0.5 mV is used.
- MM ( ): Used when an MM (moving-magnet) cartridge with an output of 2 mV or more is used

#### AC OUTLETS: Rear Panel Side For U.S.A. and Canada models.

AC outlets are used for connecting amplifier component units, such as tuner, turntable, tape deck, etc. . SWITCHED (Total capacity: 120 W):

These outlets are turned ON/OFF when main power switch and POWER button on the Remote Control Unit is turned on/off.

. UNSWITCHED (Capacity: 240 W) This outlet is always ON whether power switch is on

or OFF . For Europe (except the U.K.) and Multi-Voltage models. AC outlets are used for connecting amplifier component

units, such as tuner, turntable, tape deck, etc. . SWITCHED (Total capacity: 100 WI-

These outlets are turned ON/OFF when main power switch and POWER button on the Remote Control Unit is turned on/off

UNSWITCHED (Capacity: 100 W)

This outlet is always ON whether power switch is on

#### **OPERATION**

#### PREPARATION

#### 1. CHECKING CONNECTIONS

- · Make sure that all the connections are proper by referring to the back panel. (Fig. 2, 3)
- . Check the polarity (positive and negative) of connections. and the directivity of stereo separation (right cord to right channel terminal, and left cord to left channel terminal).
- . Check the directivity of pin cord connection

#### 2. SETTING OF EACH KNOR

- . Turn the volume control knob counterclockwise, to "0".
- . Set the rotary knob to "flat".
- Set SOURCE DIRECT and LOUDNESS to "OFF ( = )".

After checking the above items, turn on the power, the amplifier is set in the ready mode in a few seconds.

#### PLAYING A RECORD

- 1. Set the INPUT SELECTOR switch to "PHONO".
- 2. Operate the turntable and play the record.
- 3. Turn the volume and tone controls to yield an appropriate volume and sound quality,

#### PLAYRACK OF CD PLAYER

- 1. Set the INPUT SELECTOR switch to "CD".
- 2. Operate the CD player.
- 3. Turn the volume and tone controls to yield an appropriate volume and sound quality.

#### RECEPTION OF RADIO PROGRAMS

- 1. Set the INPUT SELECTOR switch to "TUNER".
- 2. Operate the tuner to receive a radio program
- 3. Turn the volume and tone controls to yield an appropriate volume and sound quality.

#### CONNECTIONS OF AUDIO EQUIPMENT TO AUX TERMINALS

- 1. Set the INPUT SELECTOR switch to "AUX" Position
- 2. Operate the Audio equipment Systems.
- 3. Turn the volume and tone controls to yield an appropriate volume and sound quality.

#### PLAYBACK WITH TAPE DECK

- 1. Set the INPUT SELECTOR switch to "DAT/TAPE-1" or "DAT/ TAPE-2"
- 2. Operate the Tape Deck.
- 3. Turn the volume and tone controls to yield an appropriate volume and sound quality.

#### RECORDING WITH TAPE DECK

- 1. Set the REC OUT SELECTOR to the program source you wish to record
- 2. Start the playback of the program source.
- 3. Start recording with the component connected to "DAT/TAPE-1" or "DAT/TAPE-2"
- . In the PMA-915R/715R, the REC OUT signal and the speaker (headphone) signal are output via separate circuits so that knobs and switches related to the tone and volume have no effect whatsoever on the sound that is recorded. Also, since the recording funtion is selected by the REC OUT SELECTOR, the free program source can be played through the speakers (or headphones) even during recording.

#### . MONITORING THE RECORDING

A recording in progress can be monitored if a tape deck with three individual heads for recording and playback is used. A tape deck in which a common head is used for both recording and playback cannot be used to monitor recording. When a recording is being made using DAT/TAPE-1, selecting DAT/ TAPE-1 with the INPUT SELECTOR will engage the RECORD-ING MONITOR and pemit a check of the recording condition.

#### CAUTION

#### Protective Circuit

This set is equipped with a high speed prototive circuit. This circuit protects the internal circuitry from damage due to large currents flowing when the speaker jacks are not completely connected or when an output is generated by a short circuit. This protective circuit's operation cuts off the output to the speakers. In such a case, be sure to turn the power to the set off and check the connections to the speakers. Then turn the power on again. After muting for several seconds, the set will operate normally.

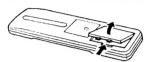
· This amplifier has a full memory back-up system. When the power is turned on, INPUT SELECTOR @ are set to the last mode set before the power was turned off.

#### REMOTE CONTROL OPERATION

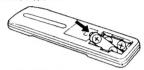
The accessory Remote Control Unit is used to control the amplifier from a convenient distance.

#### (1) Inserting the Dry Cell Batteries

1. Remove the battery cover on the Remote Control Unit.



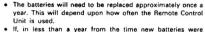
Insert two dry cell batteries as shown in the diagram on the battery supply unit.



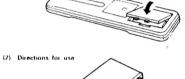
3. Replace the battery cover-



. RC-176 uses the size R6P (AA) dry cell batteries.



- inserted, the Remote Control Unit fails to operate the Amplifier from a near-by position, it is time to replace the batteries.
- Insert the batteries properly, following the polarity diagram inside the battery compartment.
- · Batteries are prone to damage and leakage. Therefore:
- . Do not mix new batteries with used ones.
- Do not mix different types of batteries.
- Do not jumper opposite poles of the batteries, expose them to heat, break them open, nor expose them to open fire.
- If the batteries have leaked, remove any traces of battery fluid from the battery compartment wiping thoroughly with a dry cloth. Then insert new batteries.



 Operate the Remote Control Unit while pointing it towards the Remote Control Sensor on the Amplifier as shown in the diagram on the left.

 The Remote Control Unit can be used at distances up to about 8 meters in a straight line from the amplifier. This distance will decrease if there are obstructions blocking the infra-red light transmission or if the Remote Control Unit is not directed straight at the amplifier.

#### Note on operation

- . Do not press the operating buttons on the Amplifier and the Remote Control Unit at the same time. This will cause misoperation.
- Operation of the Remote Control Unit will become less effective or erratic if the infrared Remote Control Sensor on the Amplifier is
  exposed to strong light or if there are obstructions between the Remote Control Unit and the sensor.
- In case you operate a VCR, TV or other components by remote control, do not operate buttons on two different remote control units at the same time. This will cause misoperation.

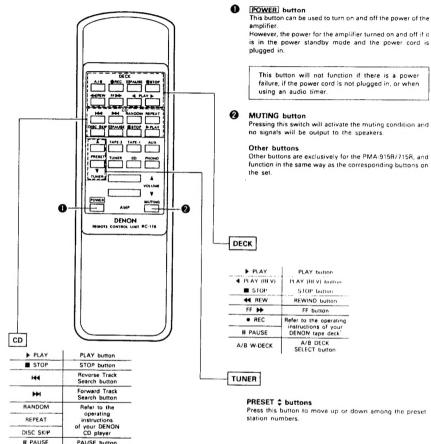
Besides being able to operate the PMA-915R/715R amplifier with this Remote Control Unit, you can also operate a DENON cassette deck and CD player from this handy full-system Remote Control Unit.

Remote control section

Full-system Remote Control Unit

The full-system Remote Control Unit operates all major functions of the Amplifier, such as function switching, volume control. But that's not all! The same control pad can also control the major functions of a DENON CD player and cassette deck and tuner when combined with the PMA-9158/7158 to create a remarkably ergonomic and versatile DENON system with all the quality sound reproduction that the devoted audiophile expects.

Remote Control Unit RC-176 supplied with the PMA-915R/715R



- The RC-176 Remote Control Unit can control CD players and cassette decks manufactured by DENON.
- · Note that operation may not be possible for some models.
- Buttons are conveniently separated into groups, each group controlling one specific component. The groups are AMP, FUNCTION, CD, DECK, and TUNER etc...

For details on operating other components, refer to the operating instructions for the CD player and/or cassette deck.

#### CAUTION

- If the power is turned off with the Remote Control Unit, the set is switched to the power stand-by state. If you are absent for a long period of time, unplug the power cord.
- Only the MUTE/STANDBY LED lights when in the power stand-by mode
- You may experience erratic operation of the Remote Control Unit if it is operated in fluorescent light and direct sunlight, in particular if this light strikes the Remote Control Sensor on the Amplifier However, this is not a malfunction, and if this should happen, simply protect the sensor against such light.

Technical Data (typical value)	Technische Daten (typische werte)	Caractéristiques techniques (valeur caractéristique)	PMA-915R/715R
POWER AMPLIFIER	LEISTUNGSENDS VERSTÄRKER	PARTIE AMPLIFICATEUR	
SECTION Rated Output Power:	Nenn-Ausgangsleistung:	DEPUISSANCE Puissance nominale:	
* Both channel driven	* Beide Kanale betroebern	*1Entrainement deux canaux	
(B ohm Load) 20 Hz to 20 kHz, T.H.D. 0.02%/0.05%	(an 8 Ohm) 20 Hz bis 20 kHz, T.H.D. 0,02%/0,05%	(charge 8 ohms) 20 Hz à 20 Hz, D.H.T. 0,02%/0,05%	80W + 80W/65W + 65W
(4 ohm Load)	(an 4 Ohm)	(charge 4 ohms)	130W + 130W/100W + 100W
DIN, 1 kHz, T.H.D. 0.7%	DIN, 1 kHz, T.H.D. 0,7%	DIN, 1 kHz, D.H.T. 0,7%	
*2Continuous 80W/65W	*2Fortlaufend 80W/65W	*280W/65W en continu par	80W/65W
per channel min into 8 ohms	pro Kanal min. zu 8 Ohm von	canal sur min. 8 ohms de	
from 20 Hz to 20 kHz with no more than 0.02%/0.05%	20 Hz bis 20 kHz mit einem Gesamtkiirrfaktor von nicht	20 Hz à 20 kHz avec une distorsion harmonique totale	
total harmonic distortion.	mehr als 0,02%/0,05%.	de 0,02%/0,05% ou moins.	
Total Harmonic Distortion:	Gesamtklirrfaktor:	Distorsion harmonique totale:	0.007%
(-3 dB at rated output, 8 ohms)	(3 dB bei Nennausgang, 8 Ohm)	(-3 dB à la sortie nominale, 8 ohms)	
PRE AMPLIFIER SECTION	VORVERSTÄRKER	PRE-AMPLI	
Rated Output: (Recout Terminal)	Nenn-Ausgangsleistung: (Aufnahme-Ausgangsbuchse)	Puissance nominale: (Borne de sortie d'enregistre-	150 mV
(Necout reminar)	(Aumanine-Ausgangsbuchse)	menti	11, 77
Input Sensitivity/ Input Impedance:	Eingangsempfindlichkeit/	Sensibilité d'entrée/ impédance d'entrée:	
The value in parentheses ( )	Eingangsimpedanz: Der in Klammern ( ) angegebene	La valour entre parenthèses ( )	
refers to the input impedance when SOURCE DIRECT is ON.	Wert bezieht sich auf die Eingangs-	se rapporte à l'impédance d'entrée	
when SOURCE DIRECT IS ON.	impedanz, wenn der Quetten- Direktschafter (SOURCE DIRECT)	lorsque la touche de source directe (SOURCE DIRECT) est sur	
	eingeschaltet (ON) ist. PHONO:	la position sous tension (ON). PHONO:	
PHONO:	PHONO:	PHONO:	MM 2.5 mV/47 kohm
CD, TUNER AUX	CD, TUNER, AUX	CO. TUNER, AUX	MC 200 µV/100 ohm 150 mV/47 kohm
TAPE-1, TAPE-2:	TAPE-1, TAPE-2:	TAPE-1, TAPE-2:	(150 mV/10 kohm)
RIAA Deviation: PHONO:	Abweichung von der RIAA-Kennlinie: PHONO:	Variation RIAA: PHONO:	
Within ±0.3 dB	Innerhalb ±0.3 dB	Inf. à ±0,3 dB	20 Hz ~ 20 kHz
Maximum Input:	Maximaler Eingang:	Entrée max.;	PHONO MM 160 mV/1 kHz
			MC 12mV/1 kHz
OVERALL CHARACTERISTICS	GESAMTEIGENSCHAFTEN	CARACTERISTIQUES	
SN Ratio (IHF A Network):	Signal/Rauschabstand	GENERALES	PHONO:
Sie riptio (irii × rectwork).	(IHF-A-Weiche):	Rapport signal/bruit (réseau IHF A):	MM: 94 dB
Consideration to the state of	(F)		(at 5 mV input)
(input terminals short- circuited)	(Eingänge kurzgeschlossen)	(Bornes d'entrée court-circuitées)	MC: 76 dB (at 0.5 mV input)
SOURCE-DIRECT: ON	SOURCE DIRECT: ON	SOURCE DIRECT: ON	CD, TUNER, AUX TAPE-1, TAPE-2: 110 dB
Tone Control Adjustable	Klangregelbereich:	Gamme de réglage de tonatité:	TAPE-1, TAPE-2: 110 dB
Range:			
BÁSS TREBLE	TIEFEN (BASS) HÖHEN (TREBLE)	GRAVES AIGUS	100 Hz ±8 dB 10 kHz ±8 dB
Loudness:	Gehörrichtige Lautstärke:	Compensation physiologique:	100 Hz +7 dB
			10 kHz +6 dB
OTHERS Power Supply	SONSTIGES     Netzspannung und- frequenz	AUTRES     Alimentation	AC230V/50 Hz
			(For Europe and Australia)
		1	AC120V/60 Hz (For U.S.A. and Canada)
			AC110/220/230V, 50/60 Hz
AC Outlets	Wechselstrom-Ausgänge	Prises secteur (AC)	(For Multiple)
Switched × 2:	Geschaltet×2:	Commutées×2:	100W (Total) (For Europe and
			Multi-Voltage models.
			except the U.K. model) 120W (Total) (For U.S.A. and
Unswitched×1:	Ungeschaltet × 1;	Non commutées×1:	Canada models)
Unswitched x 1:	Ungeschaitetx 1:	Non commutees x1:	100W (For Europe and Multi-Volta models, except the U.K. model)
The state of the s	*	1	240W (For U.S.A. and
Power Consumption	Leistungsaufreihme	Consommation	Canada models) 230W/210W (IEC)
·	•		4.2A/3.6A (U.S.A. and Canada model
Dimensions (W)×(H)×(D)	Abmessungen (B)×(H)×(T)	Dimensions (L)×(H)×(D)	434(W) x 160(H) x 351(D)mm PMA-915R
			(17-3/32"×6-19/64×13-13/16") 434(W)×140(H)×351(D)mm PMA-715R
Non Mainh	Nemananista		(17-3/32"×5-1/2×13-13/16")
Net Weight	Nettogewicht	Poids	9.0 kg (19 lbs 14 oz)/8.2 kg (18 lbs 2 oz)
REMOTE CONTROL UNIT (RC-176)	FERNBEDIENUNGSGERÄT (RC-176)	UNITE DE TELECOMMANDE	
Remote control system:	Fernbedienungs System:	Système de télécommande:	
Infrared pulse system Power supply:	Infrarot-Impulse Stromversorgung:	Système à impulsion infrarouge Alimentation:	
3V DC, Two size R6P ("AA")	3V Gleichstrom, zwei Trockenzelle-	3V CC, deux piles sèches de format R6P ("AA")	55(W)×194(H)×18(D)mm
dry cell batteries External dimensions:	Batterien vom format R6P (AA) Außere Abmessungen:	de format R6P ("AA")	(2-11/64"×7-41/64"×45/64")
		Dimensions extérieures:	100 g (about 3.5 oz)

Note: 11 For Europe and Multi-Voltage 27 For U.S.A. and Canada Hinweis: 11 Für Europe und Mehrspannung Note: 11 Pour les modèles pour l'Europe et multi-tension 12 Für die U.S.A. and Kanada 20 Pour les U.S.A. et le Canada 40 Pour les U.S.A. et le Canada 4

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nella scatola di spedizilone.

ENGLISH	ESPAÑOL
Please check to make sure the following items are included with the main unit in the carton:         11) Operating instructions         1           (1) Operating Instructions         1         1           (2) Remote Control Unit (RC-176)         1         1           (3) Batteries RSP (AA)         2         2	Por favor verifique asegurandose de que los siguientes artículos sempacados en la caja pero separados da la unidad principal.         1           (1) Manual de instrucciones
DEUTSCH	NEDERLANDS
Bitte überprüfen Sie, ob die folgenden Teile vollständig in der Verpackung enthalten sind:         1) Bedienungsanleitung         1           (1) Bedienungsanleitung         1         1           (2) Fernbedienung (RC-176)         1         1           (3) Batterien vom Typ R6P (AA)         2         2	Kontroleer of de volgende accessoires bij het hoofdtoestel in de doos averpakt:  (1) Gebruikssanwijzing
FRANÇAIS	SVENSKA
Veuillez contrôler que les articles suivants sont bien joints à l'appareil principal dans le carton:         (1) Mode d'emploi	Kontrollera att följande, förutom huvudapperaten, finns med i kartonge           (1) Bruksanvisning         1           (2) Fjärrkontroll (RC-176)         1           (3) Batterier R6P (AA)         2
ITALIANO  Controllare che le parti seguenti si trovino imballate con l'apparecchio	PORTUGUÉS  Certifique-se de que as seguintes peças estão incluídas na embalagem fo da unidade principal:

(1) Instruções de operação ......

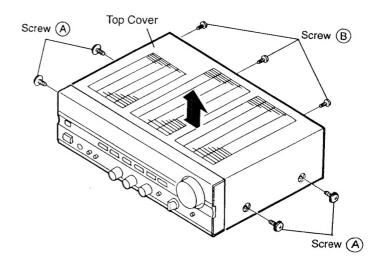
(2) Unidade de controle remoto (RC-176) .....

(3) Baterias R6P (AA) \_\_\_\_\_\_\_2

## REMOVAL OF EACH SECTION

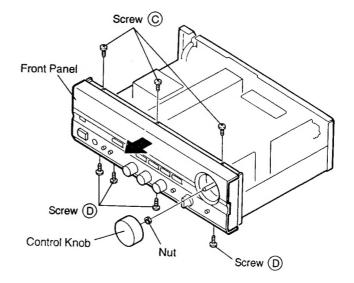
## 1. Top Cover

- (1) Remove 4 screws A , and 3 screws B .
- (2) Pull up Top Cover in arrow direction.



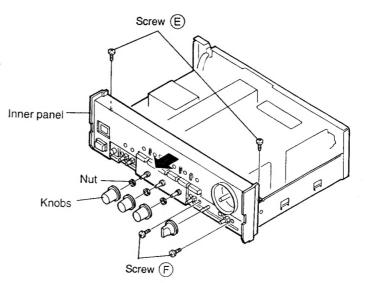
## 2. Front Panel

- (1) Detach Control Knob and Nut.
- (2) Remove 3 screws (C).
- (3) Remove 4 screws (D).
- (4) Detach Front Panel in arrow direction.



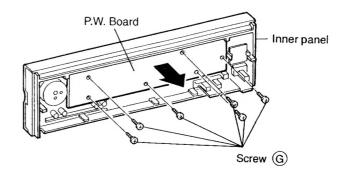
## 3. Inner Panel

- (1) Detach 4 Knobs and 3 nuts.
- (2) Remove 2 screws (E).
- (3) Remove 2 screws F.
- (4) Detach Inner Panel in arrow direction.



## 4. P.W. Board attached to Inner Panel

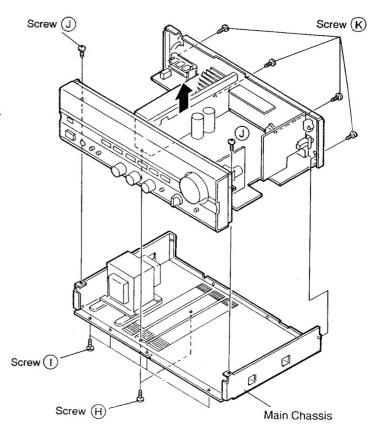
- (1) Remove 6 screws (G).
- (2) Take out P.W. Board in arrow direction.



## 5. Main Chassis

- (1) Remove 2 screws (H).
- (2) Remove 4 screws (1).
- (3) Remove 2 screws (J).
- (4) Remove 4 screws (K) .

Note: Then, by pulling up, FRONT PANEL,
POWER RADIATOR, P.W.B., REAR PANEL
will be detached as a whole.
However, wire on POWER TRANS
still remains connected; therefore
make repairing on detached CHASSIS
side-up.



## **FUNCTION OF NEW CIRCUIT**

## 1. CHARACTERISTIC OF THIS CIRCUIT

The junction temperature of power amplifier output transistor always varies by an ambient temperature and music signal. Occurrence of junction temperature varying causes in change of bias current, unstable function, thus pure music signal playback is unable to do.

To maintain fixed bias current and to make pure music signal playback possible is the purpose of this circuit. This circuit holds stable bias current condition within a few seconds after turning on the power.

## 2. BLOCK DIAGRAM OF BIAS CONTROL CIRCUIT FUNCTION

As explained in Fig. 1, detects a voltage across the emitter resistors (RE) of TR1, TR2. Converts the detected voltage and comparing with the reference voltage to make the bias current value in stable state. Actually, these functions are performed by 1 chip IC.

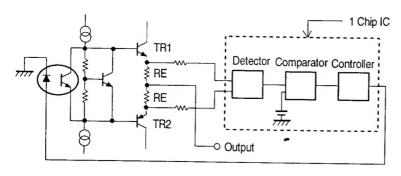


Fig. 1

TR1, TR2: Output transistor RE: Emitter resistor

## 3. POWER SUPPLY FOR ACTUATING CONTROL CIRCUIT

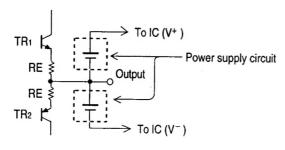


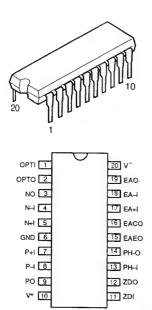
Fig. 2

The circuit (IC) controlling bias current actuates by floating.

Accordingly, the power supply is also needed to be floated.

In this circuit, as indicated in Fig. 2, output is common to provide +, - power system and supplies to IC.

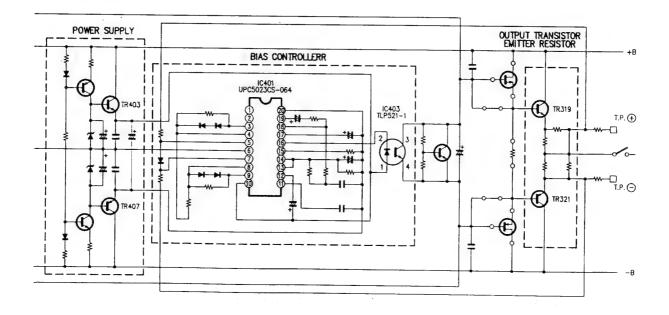
## 4. IC DESCRIPTION ( $\mu$ PC5023CS-064)



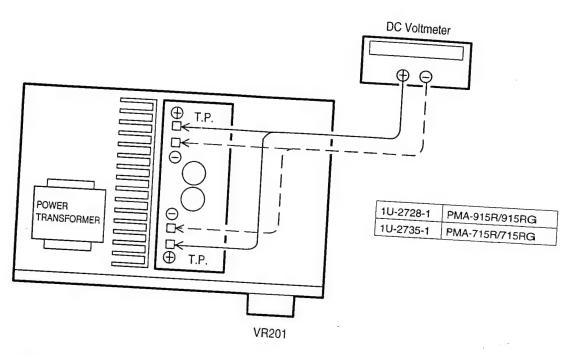
Pin. No.	Name	Contents
1	OPTI	NCP
2	ОРТО	INCP
3	NO	Comparator output
4	N-I	Comparator input (-)
5	N+I	Comparator input (+)
6	GND	Floating common
7	P+I	Comparator input (+)
8	P-I	Comparator input (-)
9	PO	Comparator output
10	V+	+ Power supply

Pin. No.	Name	Contents	
11	ZDI	Control signal stabilizer input	
12	ZDO	Control signal stabilizer output	
13	PH-I	Peak hold input	
14	РНО	Peak hold output	
15	EAEO	Controller gain setting	
16	EACO	Control signal output	
17	EA+I	Reference voltage	
18	EA-1	Comparator gain setting	
19	EAO	Comparator output	
20	V-	<ul> <li>Power supply</li> </ul>	

## 5. CIRCUIT IN THE CONCRETE



# METHOD OF ADJUSTMENTS



## **IDLING CURRENT**

- Setup
  - 1. Lay the unit at an ordinary position away from a direct current from a cooler or fan. Do the adjustment at a temperature 2. Set controls as follows.

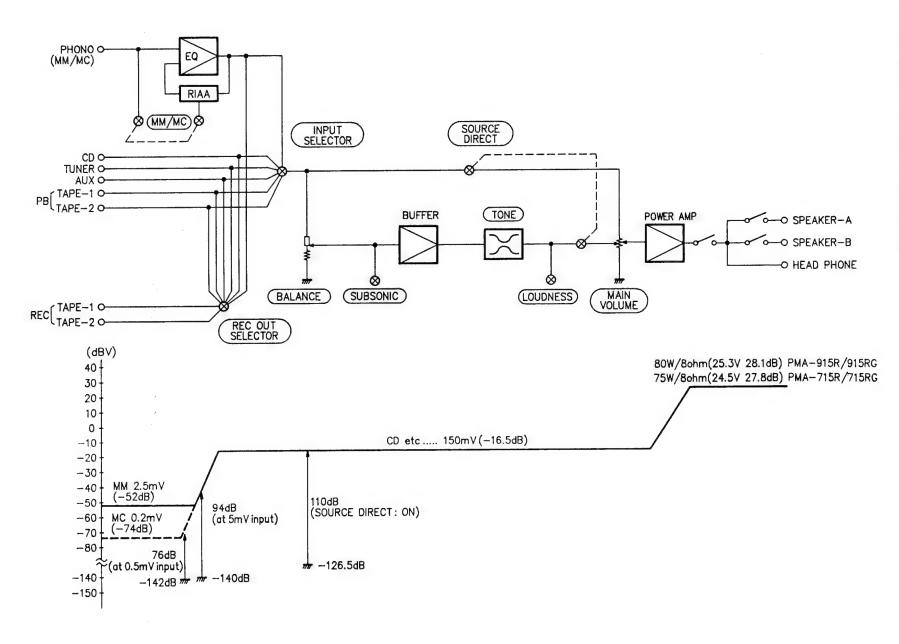
POWER SWITCH→ OFF (■)

VOLUME CONTROL $\rightarrow$  fully counterclockwise. ( $\bigcirc$ ) min.

SPEAKER Terminals  $\rightarrow$  open: do not connect the speakers, dummy load etc.

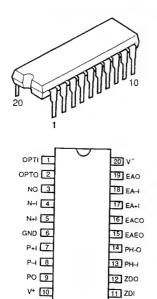
## Confirm

- 1. Remove Top cover. And then connect DC Voltmeter to Test points of Main Unit 1U-2728-1 (PMA-915R/915RG) or 2. Connect Power cord to AC Outlet, and turn POWER Switch "on" (-).
- 3. 10 seconds after check to see DC Voltmeter reading is 8  $\pm$  5mV.
- 4. 2 minutes after re-check DC Voltmeter for  $8 \pm 5 \text{mV}$  reading.



## **SEMICONDUCTORS**

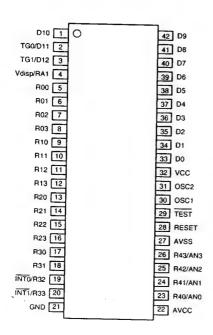
# • IC's μPC5023CS-064 (IC401,402)



	1		
Pin. No.	Name	Contents	
1	OPTI	NCP	
2	ОРТО	NCP	
3	NO	Comparator output	
4	N-I	Comparator input (-)	
5	N+I	Comparator input (+)	
6	GND	Floating common	
7	P+I	Comparator input (+)	
8	P-I	Comparator input (-)	
9	РО	Comparator output	
10	V+	+ Power supply	

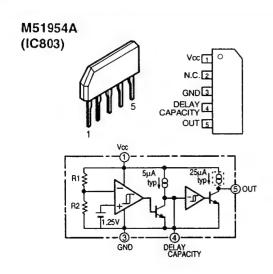
Pin. No.	Name	Contents	
11	ZDI	Control signal stabiliser input	
12	ZDO	Control signal stabiliser output	
13	PH-I	Peak hold input	
14	PHO	Peak hold output	
15	EAEO	Controller gain setting	
16	EACO	Control signal output	
17	EA+I	Reference voltage	
18	EA-1	Comparator gain setting	
19	EAO	Comparator output	
20	V-	- Power supply	

## HD404304A13P (IC801)

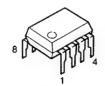


## HD404304P Terminal Function

Pin No.	Name	vo	Contents		Activ
1	D10	0	VOLUME LED Indication		Н
2	TG0/D11	0	NOP		
3	TG1/D12	0	Power Control (REMOTE Power-0	DN/OFF)	L
4	Vdisp/RA1	1	NOP		-
5	R00	0	NOP		
6	R01	0	Muting Control (Power ON-OFF, F	unction Shifting Muting)	_
7	R02	0	SP-A Control	3	н
8	R03	0	SP-A Control		Н
9	R10	0			Н
10	R11	0	Key scan strobe		Н
11	R12	0			н
12	R13	0	NOP		
13	R20	1			
14	R21	-	Key scan receive		
15	R22	1			
16	R23	- 1			
17	R30	0	Volume Control *∪ ≥* → "H"		H
18	R31	0	Volume Control "DCWN" → "H"		н
19	INTO/R32	1	Power Breakdown perect input		
20	INT1/R33	1	Remote control signal decoding input		
21	GNC		CND		
22	AVcc		Arsc (Voc)		
23	R40/ANO		POP		
24	R41/AN1	_!_	NOP		
25	R42/AN2	1	NOP		
26	R43/AN3	1	Discrimination porticy user's genre		
27	AVss		AVss (GND)		
28	RESET		M51954A; Externa		
29	TEST		Vœ		
30	OSC1		Ceser Fill Oscillator 4MHz; External		
31	OSC2		Ceter Fill Oscillator 4MHz; External		
32	Voc		Vos		
33	D0	0	SCLACE DIRECT Control		н
34	D1	0	NCP		
35	DS	0	TAPE-2 Control		н
36	D3	0	TAPE-1 Control		н
37	D4	0	NCP		
38	D5	0	AUX Control		Н
	D6	-	TUNER Control	Mutually reset:	Н
	D7	0	NCP		
$\overline{}$	D8	0	CD Control	]	Ħ
12	D9	0	PHONO Contro		Н



## BA4558 (IC201, 901) M5219P

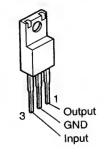


(TOP VIEW)

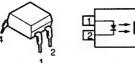
- 1. A OUTPUT
- 2. A-INPUT
- 3. A+INPUT
- 4. V-
- 5. B+INPUT
- 6. B-INPUT 7. B OUTPUT

8. V+

NJM7806FA(S) (IC702)



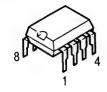
TRP521-1(BL) **INFRARED LED + PHOTO TRANSISTOR** 

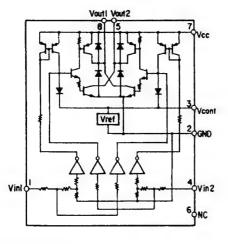




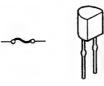
- 1: Anode
- 2: Cathode
- 3: Emitter
- 4: Collector

LB1639 (IC802)

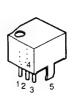




## • IC PROTECTOR ICP-N15 (IC701)



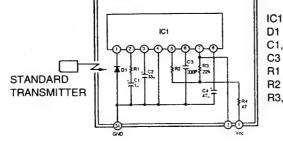
## SBX1610-52 (Remote Control Receiver)



1. Vcc 2. Output

3. GND

4. Case Fin 5. Case Fin



: CX20106A Chip

: PIN Photo Diode Chip D1 C1,C2,C4: Aluminum Electrolytic Capacitor

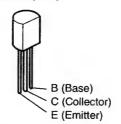
: SL Characteristic ±5% C3 : Gain Adjuster R1

R2 : fo Adjuster ±1% USE

R3,4 : ±5%

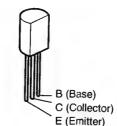
## TRANSISTORS

2SA970 (BL), (BL/GR) 2SA988 (E/F) 2SC1841 (E/F)



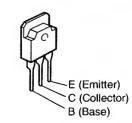
## 2SA1145 (O)/(Y) 2SC2705 (O)/(Y)



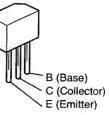


PMA-915R 2SA1491 (O/P/Y)(Z) 2SC3855 (O/P/Y)(Z)

PMA-715R 2SB1560 (O/P/Y) 2SD2390 (O/P/Y)



RN2202 PNP

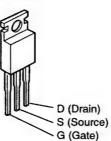


R2 R1 R2 RN2204 10kohm 10kohm

2SJ78 2SK215

2SA1038 (S/E)

2SC1740S (S) 2SA933S (S) 2SC2389S (S/E)

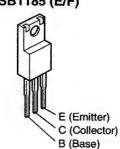


2SD1762 (E/F) 2SB1185 (E/F)

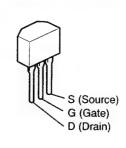
B (Base)

C (Collector)

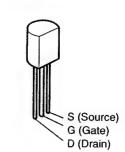
E (Emitter)



2SK184C (GR)/(RL)



2SK369



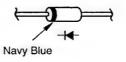
4D4B42 (LC1)(D702): PMA-915R/915RG

S4VB20F (D702): PMA-715R/715R G

## **DIODES (including LED)**







SEI-1810A (Orange)

Anode

SEL-1210S (Red)

Cathode

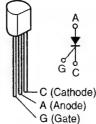


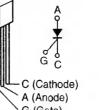


**Thyristor** 

SFOR1A42 (SC601)

1SR35-200A

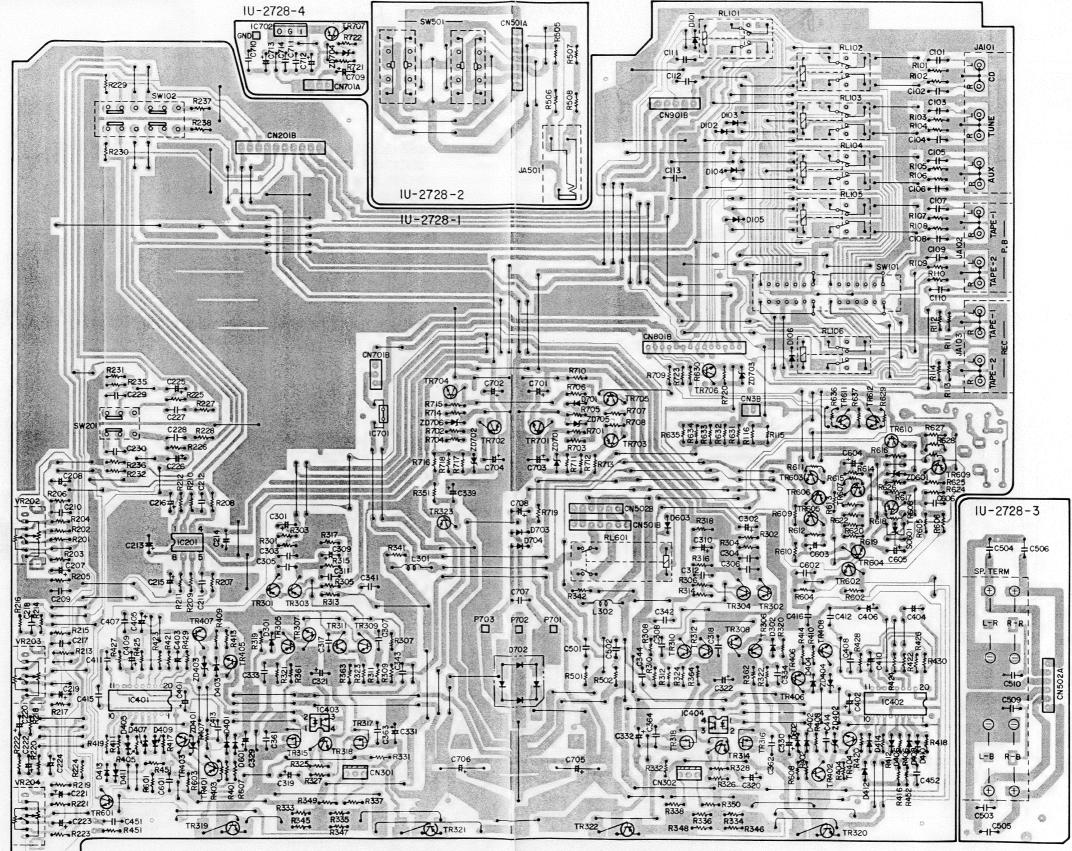




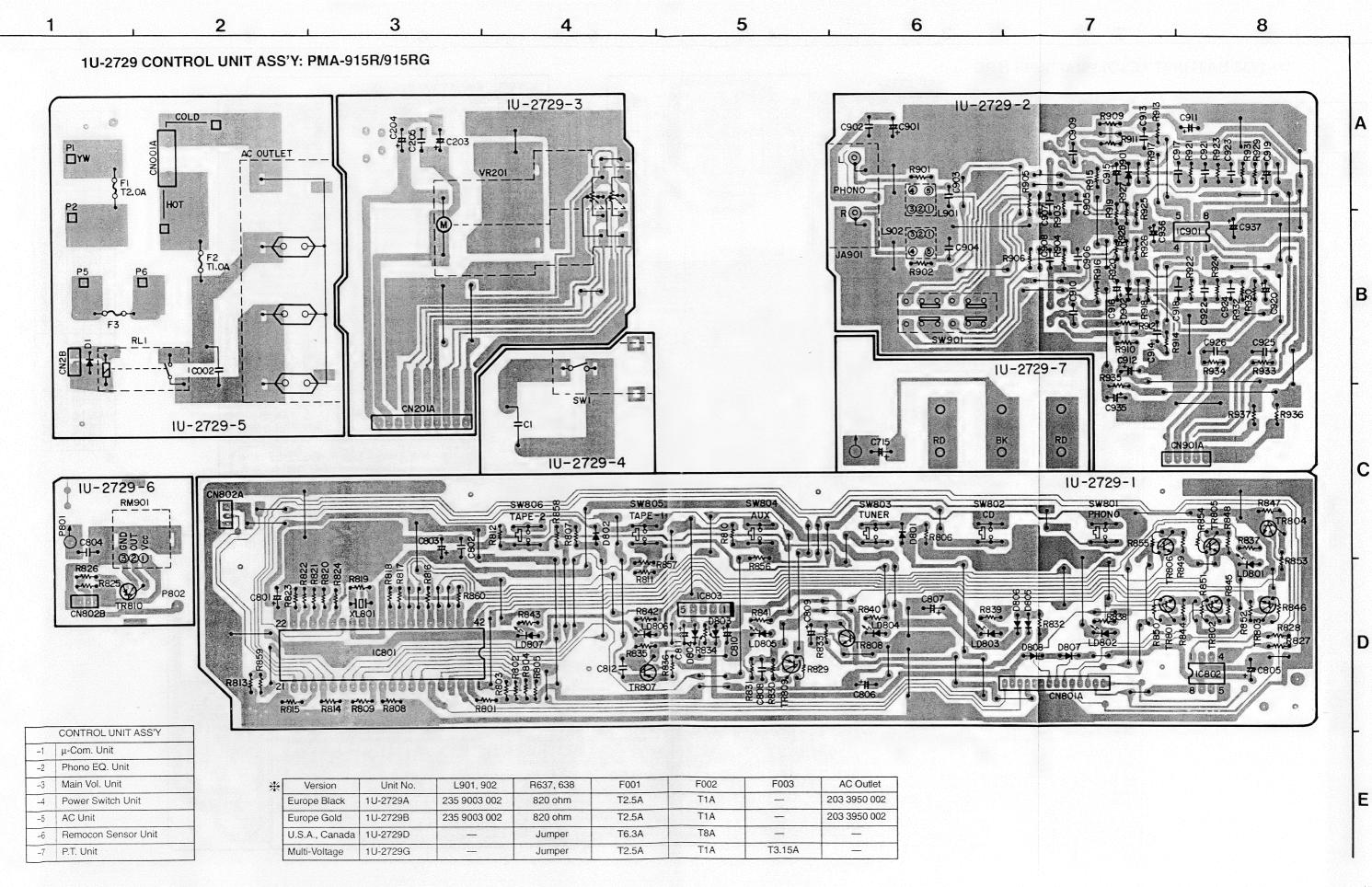


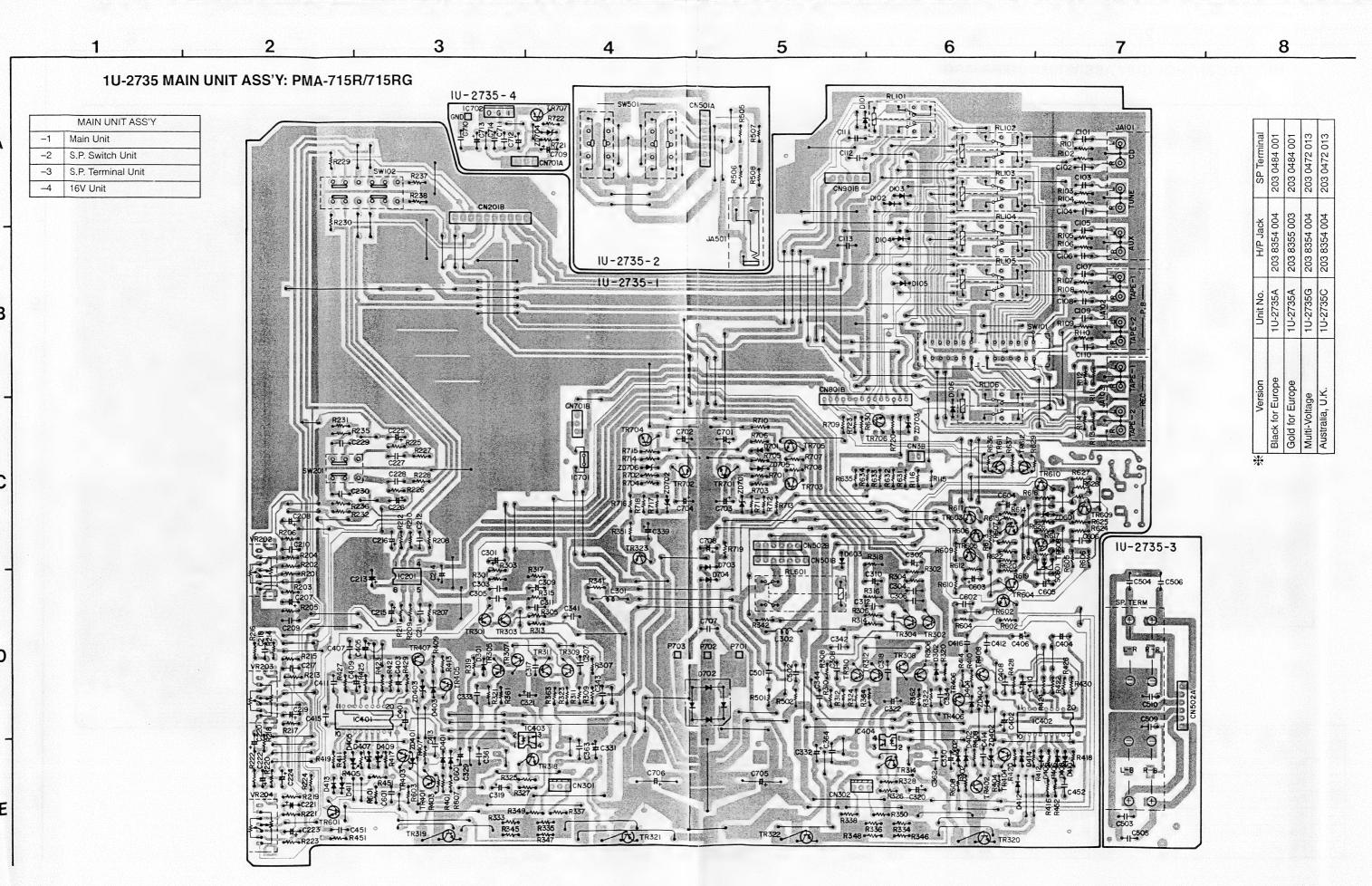
## PRINTED WIRING BOARD (Pattern Side) 5 8 1U-2728 MAIN UNIT ASS'Y: PMA-915R/915RG

	MAIN UNIT ASS'Y
-1	Main Unit
-2	S.P. Switch Unit
-3	S.P. Terminal Unit
-4	16V Unit



SP Terminal 203 0484 001 203 0484 001 203 0632 002 203 8354 004 203 8355 003 203 8354 004 Unit No. 1U-2728A 1U-2728B 1U-2728D Black for Europe Gold for Europe U.S.A.





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A-915R/715R

#### NOTE FOR PARTS LIST

- Part indicated with the mark " are not always in stock and possibly to take a long period of time for supplying, or in some case supplying of part may be refused.
- When ordering of part, clearly indicate "1" and "I" (i) to avoid mis-supplying.
- Ordering part without stating its part number can not be supplied.
- Part indicated with the mark "★" is not illustrated in the exploded view.
- Not including Carbon Film ±5%, 1/4W Type in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.)

#### WARNING:

Parts marked with this symbol A have critical characteristics.

Use ONLY replacement parts recommended by the manufacturer.

#### Resistors

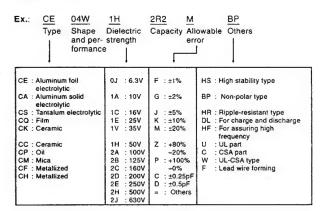
Type Si	4K 2E 18 hape Power Re ind per- imance an	sist- Allowabl	FR Others
RD : Carbon RC : Composition RS : Metal oxide fi RW : Winding RN : Metal film RK : Metal mixture	3A : 1W 3D : 2W	F : ±1% G : ±2% J : ±5% K : ±10% M : ±20%	P : Pulse-resistant type NL : Low noise type NB : Non-burning type FR : Fuse-resistor F : Lead wire forming

#### \* Resistance

- 1 8 2 ⇒ 1800 ohm = 1.8 kohm
  Indicates number of zeros after effective number.

   Units: ohm
- 1 R 2 ⇒ 1.2 ohm 1-digit effective number. 2-digit effective number, decimal point indicated by R.

## Capacitors



#### \* Capacity (electrolyte only)

#### \* Capacity (except electrolyte)

2 2 ⇒ 2200pF = 0.0022µF

(More than 2) — Indicates number of zeros after effective number.

2-digit effective number.

Units: μF.

Units: pF.

 When the dielectric strength is indicated in AC, "AC" is included after the dieelectric strength value.

# PARTS LIST OF P.W. BOARD: PMA-915R/915RG 1U-2728 A,B MAIN UNIT ASS'Y (for Europe Version)

Ref. No.	Parts No.	Parts Name	Remarks
SEMICON	DUCTORS	GROUP	
IC201	265 0322 004	IC BA4558	
IC401,402	263 0930 001	IC uPC5023CS-064	μ-com
IC403,404	262 0874 009	IC TLP521-1(B)	,
IC701	268 0073 905	IC ICP-N15	IC Protector 15 V
IC702	263 0793 002	IC NJM7806FA(S)	Regulator +6 V
		,	
TR301-304	271 0094 919	Transistor 2SA970(BL)	
TR305,306	271 0131 924	Transistor 2SA988(E/F)	
TR307~312	273 0235 923	Transistor 2SC1841(E/F)	
TR313,314	273 0303 910	Transistor 2SC1740S(S)	
TR315,316	275 0069 001	FET 2SK215	
TR317,318	275 0068 002	FET 2SJ78	
TR323	271 0131 924	Transistor 2SA988(E/F)	
TR401,402	271 0280 901	Transistor 2SA1038(S/E)	
TR403,404	273 0281 906	Transistor 2SC2705(O)/(Y)	
TR405,406	273 0432 904	Transistor 2SC2389S(S)	
TR407,408	271 0168 900	Transistor 2SA1145(O)/(Y)	
TR601,602	273 0235 923	Transistor 2SC1841(E/F)	
TR603~605	273 0303 910	Transistor 2SC1740S(S)	
TR606	271 0192 905	Transistor 2SA933S(S)	
TR607	273 0235 923	Transistor 2SC1841(E/F)	
TR608	271 0094 935	Transistor 2SA970(BL/GR)	
TR609	271 0131 924	Transistor 2SA988(E/F)	
TR610~612		Transistor 2SC1841(E/F)	
TR701	274 0120 002	Transistor 2SD1762(E/F)	
TR702	272 0083 004	Transistor 2SB1185(E/F)	
TR703	271 0280 901 273 0432 904	Transistor 2SA1038(S/E)	
TR704,705 TR706	273 0432 904	Transistor 2SC2389S(S/E) Transistor 2SC1740S(S)	
TR707	274 0120 002	Transistor 2SD1762(E/F)	
111707	2740120002	Transition 200 Trob(Ex)	
D101-106	276 0616 907	Diode 1SS252	
D301,302	276 0616 907	Diode 1SS252	
D401~414	276 0616 907	Diode 1SS252	
D601~603	276 0616 907	Diode 1SS252	
D701	276 0553 905	Diode 1SR35-200A	
D702	276 0424 005	Diode 4D4B42 (LC1)	Bridge
D703,704	276 0553 905	Diode 1SR35-200A	
ZD401~404	276 0643 954	Zener Diode MTZJ3.9A	3.9 V
ZD601	276 0644 911	Zener Diode MTZJ7.5A	7.5 V
ZD701,702	276 0645 978	Zener Diode MTZJ36A	36 V
ZD703	276 0644 911	Zener Diode MTZJ7.5A	7.5 V
ZD704	276 0644 995	Zener Diode MTZJ16A	16 V
ZD705,706	276 0645 907	Zener Diode MTZJ18A	18 V
			1
SC601	279 0016 904	Thyristor SF0R1A42	
RESISTO	RS GROUP	(Not included Carbon Fil	m +5%
		the Schematic Diagram f	
2 R115	244 2052 957	Metal Oxide 5.6kohm.1 W	RS14B3A562JNBS(S)
A116	244 2050 991	Metal Oxide 6.8kohm 1 W	RS14B3A682JNBS(S)
R309-312	241 2380 963	Carbon Film 2.2kohm 1/4 W(NB)	RD14B2E222JNBS
R319~322	241 2377 976	The state of the s	
R323,324		Carbon Film 130ohm 1/4 W(NB)	RD14B2E131JNBS
R325,324	241 2315 967	Fusible 68ohm 1/4 W(FR)	RD14B2E680GFRS
	241 2379 932	Carbon Film 620ohm 1/4 W(NB)	RD14B2E621JNBS
R331,332	241 2378 920	Carbon Film 220ohm 1/4 W(NB)	RD14B2E221JNBS
R333-336	244 2043 982	Metal Oxide 0.22ohm 1 W	R\$14B3AR22JNBS(S)
R341,342	241 2375 907	Carbon Film 10ohm 1/4 W(NB)	RD14B2E100JNBS
R345-348	244 2043 982	Metal Oxide 0.22ohm 1 W	RS14B3AR22JNBS(S)
			The state of the s
\ R351	241 2379 958	Carbon Film 750ohm 1/4 W(NB)	RD14B2E751JNBS

Ref. No.	Parts No.	Parts Name	Remarks
△ R505–508	244 2050 933	Metal Oxide 180ohm 1 W	RS14B3A181JNBS(S)
△ R601~604	241 2380 950	Carbon Film 2kohm 1/4 W(NB)	RD14B2E202JNBS
△ R627,628	244 2052 902	Metal Oxide 2.7kohm 1 W	RS14B3A272JNBS(S)
△ R631~635	244 2051 990	Metal Oxide 4.7kohm 1 W	RS14B3A472JNBS(S)
△ R711,712	244 2043 908	Metal Oxide 680ohm 1 W	RS14B3A681JNBS(S)
∆ R713	241 2387 940	Carbon Film 4.7ohm 1/4 W(NB)	RD14B2E4R7JNBS
∆ R716	241 2387 940	Carbon Film 4.7ohm 1/4 W(NB)	RD14B2E4R7JNBS
∆ R717,718	244 2043 908	Metal Oxide 680ohm 1 W	RS14B3A681JNBS(S)
VR202	211 0798 103	Variable Resister 100kohm	Balance
VR203	211 0834 012	Variable Resister 10kohm	Treble
VR204	211 0834 009	Variable Resister 30kohm	Bass
CAPACIT	ORS GROU	P	
C101~110	253 4237 982	Ceramic Cap. 56pF/50V	CC45SL1H560J
C111,112	253 4444 907	Ceramic Cap. 220pF/50V	CC45SL1H221J
C113	255 1265 978	Mylar Film 0.022µF/50V	CQ93M1H223J(B)
C207,208	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M
C209~212	253 4538 949	Ceramic Cap. 100pF/50V	CC45SL1H101J
C213,214	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M
C215,216	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M
C217,218	255 1265 994	Mylar Film 0.033µF/50V	CQ93M1H333J(B)
C219,220	254 4260 919	Electrolytic 0.22µF/50V	CE04W1HR22M
C221,222	254 4260 906	Electrolytic 0.1µF/50V	CE04W1H0R1M
C223,224	254 4260 935	Electrolytic 0.47µF/50V	CE04W1HR47M
C225,226 C227,228	254 4260 922 256 1034 953	Electrolytic 0.33µF/50V	CE04W1HR33M
C229,230	255 1265 994	Metalized 0.068μF/50V Mylar Film 0.033μF/50V	CF93A1H683J CQ93M1H333J(B)
C261	253 1203 994	Ceramic Cap. 0.022µF/50V	CK45F1H223Z
C301,302	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M
C303,304	253 4538 949	Ceramic Cap. 100pF/50V	CC45SL1H101J
C305,306	253 4454 900	Ceramic Cap. 560pF/50V	CC45SL1H561J
C307,308	253 1117 907	Ceramic Cap. 2700pF/50V	CK45B1H272K
C309,310	254 4252 969	Electrolytic 470µF/10V	CE04W1A471M
C311,312	253 4537 966	Ceramic Cap. 47pF/50V	CC45SL1H470J
C317,318	253 4470 900	Ceramic Cap. 10pF/500V	CC45SL2H100D
C319,320	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M
C321,322	254 4260 993	Electrolytic 22µF/50V	CE04W1H220M
C329-332	254 4262 904	Electrolytic 4.7µF/63V	CE04W1J4R7M
C333,334	253 4456 908	Ceramic Cap. 680pF/50V	CC45SL1H681J
C339	254 4262 755	Electrolytic 100µF/63V	CE04W1J101MC
C341 C343,344	253 4538 949 253 4444 907	Ceramic Cap. 100pF/50V	CC45SL1H101J
C343,344 C361,362	253 4444 907 253 4490 906	Ceramic Cap. 220pF/50V Ceramic Cap. 68pF/500V	CC45SL1H221J CC45SL2H680J
C363,364	253 4470 900	Ceramic Cap. 10pF/500V	CC45SL2H100D
C371	253 4537 966	Ceramic Cap. 47pF/50V	CC45SL1H470J
C401,402	254 4261 918	Electrolytic 47µF/50V	CE04W1H470M
C403	254 3056 959	Electrolytic 10µF/50V (Bipolar)	CE04W1H100MBP
C404	254 3080 909	Electrolytic 10µF/35V (Boolar)	CE04W1V100MBP
C405,406	254 4260 993	Electrolytic 22µF/50V	CE04W1H220M
C407,408	253 1180 921	Ceramic Cap. 1000pF/50V	CK45B1H102K
C409,410	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M
C411,412	255 1265 936	My ar Film 0.01µF/50V	CQ93M1H103J(B)
C4i3~416	253 9039 906	BC Ceramic Cap. 0.1µF/25V	CK45=1E104Z
C451,452	253 1179 987	Ceramic Cap. 470pF/50V	CK45B1H471K
C501,502	256 1034 979	Metalized 0.1µF/50V	CF93A1H104J
C503-506	255 1264 982	My ar Film 0.0047µF/50V	CQ93M1H472J(B)
C509,510	255 1265 936	My ar Film 0.01µF/50V	CQ93M1H103J(B)
C601,602	255 1265 936	My ar Film 0.01µF/50V	CQ93M1H103J(B)
C603	254 4250 945	Electrolytic 330µF/6.3V	CE04W0J331M

# 1U-2729A,B CONTROL UNIT ASS'Y (for Europe Version)

Ref. No.	Parts No.	Parts Name	Remarks	
C604	254 4252 930	Electrolytic 100µF/10V	CE04W1A101M	
C605	254 4252 901	Electrolytic 220µF/10V	CE04W1A220M	
C606	255 1265 978	Mylar Film 0.022µF/50V	CQ93M1H223J(B)	
C701,702	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	
C703,704	254 4256 952	Electrolytic 220µF/25V	CE04W1E221M	
C707	256 1042 903	Metalized 0.1µF/250V	CF93A2E104K	
C708,709	254 4263 916	Electrolytic 0.22µF/100V	CE04W2AR22M	
C710	255 1265 978	Mylar Film 0.022µF/50V	CQ93M1H223J(B)	
C711	253 1181 904	Ceramic Cap. 0.01µF/50V	CK45F1H103Z	
C712,713	254 4260 980	Electrolytic 10µF/50V	CE04W1H100M	
C714	253 1181 904	Ceramic Cap. 0.01µF/50V	CK45F1H103Z	
OTHER G	ROUP			Q'ty
	-	(P.W.Board)		(1)
L301,302	235 0068 004	Inductor 1µH		2
SW101	212 0336 005	Rotary Switch	Rec out sel	1
SW201	212 1097 000	1 P Push Switch	Loudness	1
SW202	212 1127 006	1 P Push Switch	S.Direct	1
SW501	212 1132 004	2 P Push Switch	SP-A/B	1
RL101~106	214 0127 003	Relay(RY-12W)		6
RL601	214 9003 005	Relay		1
	205 0484 001	8 P SP Terminal		1
	204 8354 004	Headphone Jack	Black model	1
	204 8355 003	Headphone Jack	Gold model	1 2
	204 8266 008	4 P Pin Jack(S-GND)	Tape	1
	204 8278 009	6 P Pin Jack(S-GND)		'
T.P.	205 0190 036	3 P NH Conn. Base		2
CN901B	205 0666 052	5 P Conn. Base(9130)		1
CN201B	205 0666 007	10 P Conn. Base(9130)		1
CN801B	205 0375 042	14 P Conn. Base(KR-PH)		1
CN701A	205 0233 032	3 P EH Conn. Base		1
CN701	203 4833 018	3 P EH-SCN Conn. Cord	1	1
CN2B	203 5019 103			1
CN502	204 0452 001	6 P SCN-SCN Conn. Cord		1
CN501	204 2692 102			
	203 0600 009	1 P Contact Ass'y	ŀ	1

## 1U-2728D for U.S.A., Canada PARTS LIST

(Same as 1U-2728A, B for Europe Black and Gold except the following Parts)

Ref. No.	Part No.	Part Name	Remarks	Q'ty	
CAPACIT	ORS GROU	P			
C261	253 1181 917	Ceramic Cap. 0.022µF/50 V	Delete	_	
OTHER G	ROUP				
	205 0632 002	8P SP Terminal	Change	1	

## 1U-2728G for Multi Voltage Model PARTS LIST

(Same as 1U-2728A, B for Europe Black and Gold except the following Parts)

Ref. No.	Part No.	Part Name	Remarks	Q'ty
OTHER G	ROUP			
	205 0472 013 204 8341 004	8P SP Terminal Headphone Jack	Change Change	1
			_	

		D4- M	Pomarka
Ref. No.	Parts No.	Parts Name	Remarks
SEMICON	DUCTORS	GROUP	
IC801	262 1579 303	IC HD404304A13P	μ-com
IC802	263 0476 002	IC LB1639	
tC803	263 0535 008	IC M51594AL	
IC901	265 0322 004	IC BA4558	
		- : : : : : : : : : : : : : : : : : : :	
TR801-806	273 0235 923	Transistor 2SC1841(E/F)	
TR807	271 0192 905	Transistor 2SA933S(S) Transistor 2SC1740S(S)	
TR808,809	273 0303 910 269 0026 900	Transistor RN2202	Built in Resistor
TR810 TR901~904	275 0038 045	FET 2SK369(BL)/(GR)-C	
10301-304	273 0030 043	LI EUROUS(DE)(GIT)	
D001	276 0616 907	Diode 1SS252	
D801~808	276 0616 907	Diode 1SS252	
D901,902	276 0616 907	Diode 1SS252	
LD801	393 9453 916	LED SEL1810A	
LD802-807	393 9434 906	LED SEL1210A	
	400 0450 000	Remocon Sensor SBX1610-52	
	499 0150 008	THE THORUS SERVICE SER	
DECICTO	DS CROUP	(Not included Carbon Fi	Im +5%.1/4 W Type.
Refer to		tic Diagram for those pa	
△ R832	241 2387 940	Carbon Film 4.7ohm 1/4 W(NB)	RD14B2E4R7JNBS
△ R936,937	241 2377 905	Carbon Film 68ohm 1/4 W(NB)	RD14B2E680JNBS
		V 111 O - 111 O - 111 - 1	VR201 Main Volume
	211 0761 004	Variable Resister 30kohm	I VHZU I IVIZITI VOTUTTE
VR201	211 0701 004	Valiable nesister sokonin	
VR201	211 0701 004	Valiable nessiel 3000mil	
	rons grou		
			CK45E2GAC472MC
CAPACI	rors grou	IP.	
CAPACI  △ C001,002	7ORS GROU 253 8003 713	P Ceramic Cap. 4700pF/400 V Ceramic Cap. 0.022µF/50 V	CK45E2GAC472MC
CAPACI  △ C001,002  C202	253 8003 713 253 1181 917	P Ceramic Cap. 4700pF/400 V Ceramic Cap. 0.022µF/50 V	CK45F2GAC472MC CK45F1H223Z
CAPACI <sup>™</sup> Δ C001,002 C202 C203,204	253 8003 713 253 1181 917 254 4254 909	Ceramic Cap. 4700pF/400 V Ceramic Cap. 0.022μF/50 V Electrolytic 10μF/16 V Ceramic Cap. 0.022μF/50 V	CK45E2GAC472MC CK45F1F223Z CE04W1C100 M CK45F1F223Z CC45SL1H470J
CAPACI  △ C001,002  C202  C203,204  C205	253 8003 713 253 1181 917 254 4254 909 253 1181 917	Ceramic Cap. 4700pF/400 V Ceramic Cap. 0.022μF/50 V Electrolytic 10μF/16 V Ceramic Cap. 0.022μF/50 V Ceramic Cap. 47pF/50 V	CK45E2GAC472MC CK45F1F223Z CE04W1C100 M CK45F1F223Z CC45SL1H470J CE45F1H103Z
CAPACI <sup>™</sup>	253 8003 713 253 1181 917 254 4254 909 253 1181 917 253 4537 966	Ceramic Cap. 4700pF/400 V Ceramic Cap. 0.022μF/50 V Electrolytic 10μF/16 V Ceramic Cap. 0.022μF/50 V Ceramic Cap. 47pF/50 V Ceramic Cap. 47pF/50 V	CK45E2GAC472MC CK45F1F223Z CE04W1C100 M CK45F1F223Z CC45SL1H470J
CAPACI <sup>™</sup>	253 8003 713 253 1181 917 254 4254 909 253 1181 917 253 4537 966 253 1181 904	Ceramic Cap. 4700pF/400 V Ceramic Cap. 0.022μF/50 V Electrolytic 10μF/16 V Ceramic Cap. 0.022μF/50 V Ceramic Cap. 47pF/50 V Ceramic Cap. 0.01μF/50 V	CK45E2GAC472MC CK45F1+223Z CE04W1C100 M CK45F1+223Z CC45SL1H470J CE45F1H103Z CE04W0,101 M(SRA) CK45F1+223Z
CAPACI  △ C001,002 C202 C203,204 C205 C262 C715 C801	253 8003 713 253 1181 917 254 4254 909 253 1181 917 253 4537 966 253 1181 904 254 4213 937	Ceramic Cap. 4700pF/400 V Ceramic Cap. 0.022μF/50 V Electrolytic 10μF/16 V Ceramic Cap. 0.022μF/50 V Ceramic Cap. 47pF/50 V Ceramic Cap. 0.01μF/50 V Electrolytic 100μF/6.3 V Ceramic Cap. 0.022μF/50 V	CK45E2GAC472MC CK45F1F223Z CE04W1C100 M CK45F1F223Z CC45SL1H470J CE45F1H103Z CE04W0J101 M(SRA)
CAPACI  △ C001,002  C202  C203,204  C205  C262  C715  C801  C802	253 8003 713 253 1181 917 254 4254 909 253 1181 917 253 4537 966 253 1181 904 254 4213 937 253 1181 917	Ceramic Cap. 4700pF/400 V Ceramic Cap. 0.022µF/50 V Electrolytic 10µF/16 V Ceramic Cap. 0.022µF/50 V Ceramic Cap. 47pF/50 V Ceramic Cap 0.01µF/50 V Electrolytic 100µF/6.3 V Ceramic Cap. 0.022µF/50 V	CK45E2GAC472MC CK45F1F223Z CE04W1C100 M CK45F1F223Z CC45SL1H470J CE45F1H103Z CE04W0,101 M(SRA) CK45F1F223Z CE04W0,101 M(SRA) CK45F1F223Z
CAPACI  △ C001,002 C202 C203,204 C205 C262 C715 C801 C802 C803	253 8003 713 253 1181 917 254 4254 909 253 1181 917 253 4537 966 253 1181 904 254 4213 937 253 1181 917 254 4213 937	Ceramic Cap. 4700pF/400 V Ceramic Cap. 0.022µF/50 V Electrolytic 10µF/16 V Ceramic Cap. 0.022µF/50 V Ceramic Cap. 47pF/50 V Ceramic Cap. 0.01µF/50 V Electrolytic 100µF/6.3 V Ceramic Cap. 0.022µF/50 V Electrolytic 100µF/6.3 V Ceramic Cap. 0.022µF/50 V	CK45E2GAC472MC CK45F1F223Z CE04W1C100 M CK45F1F223Z CC45SL1H470J CE45F1H103Z CE04W0,101 M(SRA) CK45F1F223Z CE04W0,101 M(SRA) CK45F1F223Z CE04W0,101 M(SRA)
CAPACI  △ C001,002  C202  C203,204  C205  C262  C715  C801  C802  C803  C804	253 8003 713 253 1181 917 254 4254 909 253 1181 917 253 4537 966 253 1181 904 254 4213 937 253 1181 917 254 4213 937 253 1181 917	Ceramic Cap. 4700pF/400 V Ceramic Cap. 0.022µF/50 V Electrolytic 10µF/16 V Ceramic Cap. 0.022µF/50 V Ceramic Cap. 47pF/50 V Ceramic Cap. 0.01µF/50 V Electrolytic 100µF/6.3 V Ceramic Cap. 0.022µF/50 V Electrolytic 100µF/6.3 V Ceramic Cap. 0.022µF/50 V Electrolytic 100µF/6.3 V Ceramic Cap. 0.022µF/50 V Electrolytic 100µF/6.3 V	CK45E2GAC472MC CK45F1F223Z CE04W1C100 M CK45F1F223Z CC45SL1H470J CE45F1H103Z CE04W0,101 M(SRA) CK45F1F223Z CE04W0,101 M(SRA) CK45F1F223Z CE04W0,101 M(SRA)
CAPACI  △ C001,002  C202  C203,204  C205  C262  C715  C801  C802  C803  C804  C805	253 8003 713 253 1181 917 254 4254 909 253 1181 917 253 4537 966 253 1181 904 254 4213 937 253 1181 917 254 4213 937 253 1181 917 254 4213 937 254 4213 937	Ceramic Cap. 4700pF/400 V Ceramic Cap. 0.022µF/50 V Electrolytic 10µF/16 V Ceramic Cap. 0.022µF/50 V Ceramic Cap. 47pF/50 V Ceramic Cap. 0.01µF/50 V Electrolytic 100µF/6.3 V Ceramic Cap. 0.022µF/50 V Electrolytic 100µF/6.3 V Ceramic Cap. 0.022µF/50 V Electrolytic 100µF/6.3 V Ceramic Cap. 0.022µF/50 V Electrolytic 100µF/6.3 V Electrolytic 300µF/6.3 V	CK45E2GAC472MC CK45F1F223Z CE04W1C100 M CK45F1F223Z CC45SL1H470J CE45F1H103Z CE04W0,101 M(SRA) CK45F1F223Z CE04W0,101 M(SRA) CK45F1F223Z CE04W0,101 M(SRA) CK45F1F223Z CE04W0,101 M(SRA) CK45F1F223Z CE04W0,101 M(SRA) SB CAP=82Z=C
CAPACI  △ C001,002  C202  C203,204  C205  C262  C715  C801  C802  C803  C804  C805  C806	253 8003 713 253 1181 917 254 4254 909 253 1181 917 253 4537 966 253 1181 904 254 4213 937 253 1181 917 254 4213 937 253 1181 917 254 4213 937 254 4213 937 254 6190 906	Ceramic Cap. 4700pF/400 V Ceramic Cap. 0.022µF/50 V Electrolytic 10µF/16 V Ceramic Cap. 0.022µF/50 V Ceramic Cap. 47pF/50 V Ceramic Cap. 47pF/50 V Ceramic Cap. 0.01µF/50 V Electrolytic 100µF/6.3 V Ceramic Cap. 0.022µF/50 V Electrolytic 100µF/6.3 V Ceramic Cap. 0.022µF/50 V Electrolytic 100µF/6.3 V Electrolytic 100µF/6.3 V Electrolytic 330µF/6.3 V Back up Cap. 8200µF/5.5 V	CK45E2GAC472MC CK45F1F223Z CE04W1C100 M CK45F1F223Z CC45SL1H470J CE45F1H103Z CE04W0,101 M(SRA) CK45F1F223Z CE04W0,101 M(SRA) CE04W0,331 M(SRA) SB CAP=82Z=C CK45F1F223Z
CAPACI  △ C001,002  C202  C203,204  C205  C262  C715  C801  C802  C803  C804  C805  C806  C807	253 8003 713 253 1181 917 254 4254 909 253 1181 917 253 4537 966 253 1181 904 254 4213 937 253 1181 917 254 4213 937 253 1181 917 254 4213 937 254 4213 937 254 6190 906 259 0007 003	Ceramic Cap. 4700pF/400 V Ceramic Cap. 0.022µF/50 V Electrolytic 10µF/16 V Ceramic Cap. 0.022µF/50 V Ceramic Cap. 47pF/50 V Ceramic Cap. 47pF/50 V Ceramic Cap. 0.01µF/50 V Electrolytic 100µF/6.3 V Ceramic Cap. 0.022µF/50 V Electrolytic 100µF/6.3 V Ceramic Cap. 0.022µF/50 V Electrolytic 100µF/6.3 V Electrolytic 100µF/6.3 V Electrolytic 330µF/6.3 V Back up Cap. 8200µF/5.5 V Ceramic Cap. 0.022µF/50 V	CK45E2GAC472MC CK45F1F223Z CE04W1C100 M CK45F1F223Z CC45SL1H470J CE45F1H103Z CE04W0,101 M(SRA) CK45F1F223Z CE04W0,101 M(SRA) CK45F1F223Z CE04W0,101 M(SRA) CK45F1F223Z CE04W0,101 M(SRA) CK45F1F223Z CE04W0,101 M(SRA) CE04W0,331 M(SRA) SB CAP=82Z=C CK45F1F223Z CE04W1H4R 7M(SRA)
CAPACI  △ C001,002  C202  C203,204  C205  C262  C715  C801  C802  C803  C804  C805  C806  C807  C808	253 8003 713 253 1181 917 254 4254 909 253 1181 917 253 4537 966 253 1181 904 254 4213 937 253 1181 917 254 4213 937 253 1181 917 254 4213 937 254 6190 906 259 0007 003 253 1181 917	Ceramic Cap. 4700pF/400 V Ceramic Cap. 0.022µF/50 V Electrolytic 10µF/16 V Ceramic Cap. 0.022µF/50 V Ceramic Cap. 47pF/50 V Ceramic Cap. 47pF/50 V Ceramic Cap. 0.01µF/50 V Electrolytic 100µF/6.3 V Ceramic Cap. 0.022µF/50 V Electrolytic 100µF/6.3 V Ceramic Cap. 0.022µF/50 V Electrolytic 100µF/6.3 V Electrolytic 330µF/6.3 V Back up Cap. 8200µF/5.5 V Ceramic Cap. 0.022µF/50 V Electrolytic 4.7µF/50 V	CK45E2GAC472MC CK45F1F223Z CE04W1C100 M CK45F1F223Z CC45SL1H470J CE45F1H103Z CE04W0,101 M(SRA) CK45F1F223Z CE04W0,101 M(SRA) CE04W0,331 M(SRA) SB CAP=82Z=C CK45F1F223Z
CAPACI  △ C001,002  C202  C203,204  C205  C262  C715  C801  C802  C803  C804  C805  C806  C807  C808  C809	253 8003 713 253 1181 917 254 4254 909 253 1181 917 253 4537 966 253 1181 904 254 4213 937 253 1181 917 254 4213 937 253 1181 917 254 4213 937 254 6190 906 259 0007 003 253 1181 917 254 4196 973	Ceramic Cap. 4700pF/400 V Ceramic Cap. 0.022µF/50 V Electrolytic 10µF/16 V Ceramic Cap. 0.022µF/50 V Ceramic Cap. 47pF/50 V Ceramic Cap. 47pF/50 V Ceramic Cap. 0.01µF/50 V Electrolytic 100µF/6.3 V Ceramic Cap. 0.022µF/50 V Electrolytic 100µF/6.3 V Ceramic Cap. 0.022µF/50 V Electrolytic 100µF/6.3 V Electrolytic 330µF/6.3 V Back up Cap. 8200µF/5.5 V Ceramic Cap. 0.022µF/50 V Electrolytic 4.7µF/50 V Electrolytic 4.7µF/50 V	CK45E2GAC472MC CK45F1F223Z CE04W1C100 M CK45F1F223Z CC45SL1H470J CE45F1H103Z CE04W0,101 M(SRA) CK45F1F223Z CE04W0,101 M(SRA) CK45F1F223Z CE04W0,101 M(SRA) CK45F1F223Z CE04W0,101 M(SRA) CK45F1F223Z CE04W0,101 M(SRA) CE04W0,331 M(SRA) SB CAP=82Z=C CK45F1F223Z CE04W1H4R 7M(SRA)
CAPACI  △ C001,002  C202  C203,204  C205  C262  C715  C801  C802  C803  C804  C805  C806  C807  C808  C809  C810	253 8003 713 253 1181 917 254 4254 909 253 1181 917 253 4537 966 253 1181 904 254 4213 937 253 1181 917 254 4213 937 253 1181 917 254 4213 937 254 6190 906 259 0007 003 253 1181 917 254 4196 973 254 4196 944	Ceramic Cap. 4700pF/400 V Ceramic Cap. 0.022µF/50 V Electrolytic 10µF/16 V Ceramic Cap. 0.022µF/50 V Ceramic Cap. 0.022µF/50 V Ceramic Cap. 47pF/50 V Ceramic Cap 0.01µF/50 V Electrolytic 100µF/6.3 V Ceramic Cap. 0.022µF/50 V Electrolytic 100µF/6.3 V Ceramic Cap. 0.022µF/50 V Electrolytic 100µF/6.3 V Electrolytic 330µF/6.3 V Back up Cap. 8200µF/5.5 V Ceramic Cap. 0.022µF/50 V Electrolytic 4.7µF/50 V Electrolytic 1µF/50 V Electrolytic 1µF/50 V Electrolytic 1µF/50 V	CK45E2GAC472MC CK45F1F223Z CE04W1C100 M CK45F1F223Z CC45SL1H470J CE45F1H103Z CE04W0,101 M(SRA) CK45F1F223Z CE04W0,101 M(SRA) CK45F1F223Z CE04W0,101 M(SRA) CK45F1F223Z CE04W0,101 M(SRA) CE04W0,331 M(SRA) SB CAP=82,2=C CK45F1F223Z CE04W1H4R 7M(SRA) CE04W1H4R 7M(SRA) CE04W1H01 OM(SRA)
CAPACI  △ C001,002  C202  C203,204  C205  C262  C715  C801  C802  C803  C804  C805  C806  C807  C808  C809  C810  C811	253 8003 713 253 1181 917 254 4254 909 253 1181 917 253 4537 966 253 1181 904 254 4213 937 253 1181 917 254 4213 937 253 1181 917 254 4213 937 254 6190 906 259 0007 003 253 1181 917 254 4196 973 254 4196 944 254 4196 928	Ceramic Cap. 4700pF/400 V Ceramic Cap. 0.022µF/50 V Electrolytic 10µF/16 V Ceramic Cap. 0.022µF/50 V Ceramic Cap. 0.022µF/50 V Ceramic Cap. 47pF/50 V Ceramic Cap 0.01µF/50 V Electrolytic 100µF/6.3 V Ceramic Cap. 0.022µF/50 V Electrolytic 100µF/6.3 V Ceramic Cap. 0.022µF/50 V Electrolytic 100µF/6.3 V Electrolytic 330µF/6.3 V Back up Cap. 8200µF/5.5 V Ceramic Cap. 0.022µF/50 V Electrolytic 4.7µF/50 V Electrolytic 1µF/50 V Electrolytic 1µF/50 V Electrolytic 0.33µF/50 V Metalized 0.12µF/50 V	CK45E2GAC472MC CK45F1F223Z CE04W1C100 M CK45F1F223Z CC45SL1H470J CE45F1H103Z CE04W0,101 M(SRA) CK45F1F223Z CE04W0,101 M(SRA) CK45F1F223Z CE04W0,101 M(SRA) CE04W0,331 M(SRA) SB CAP=82,2=C CK45F1F223Z CE04W1H4R 7M(SRA) CE04W1H4R 7M(SRA) CE04W1H4R 3M(SRA)
CAPACI  △ C001,002  C202  C203,204  C205  C262  C715  C801  C802  C803  C804  C805  C806  C807  C808  C809  C810  C811  C812	253 8003 713 253 1181 917 254 4254 909 253 1181 917 253 4537 966 253 1181 904 254 4213 937 253 1181 917 254 4213 937 253 1181 917 254 4213 937 254 6190 906 259 0007 003 253 1181 917 254 4196 973 254 4196 944 254 4196 928 256 1034 982	Ceramic Cap. 4700pF/400 V Ceramic Cap. 0.022µF/50 V Electrolytic 10µF/16 V Ceramic Cap. 0.022µF/50 V Ceramic Cap. 0.022µF/50 V Ceramic Cap. 47pF/50 V Ceramic Cap. 0.01µF/50 V Electrolytic 100µF/6.3 V Ceramic Cap. 0.022µF/50 V Electrolytic 100µF/6.3 V Ceramic Cap. 0.022µF/50 V Electrolytic 100µF/6.3 V Electrolytic 100µF/6.3 V Electrolytic 330µF/6.3 V Back up Cap. 8200µF/5.5 V Ceramic Cap. 0.022µF/50 V Electrolytic 4.7µF/50 V Electrolytic 1µF/50 V Electrolytic 1µF/50 V Electrolytic 0.12µF/50 V Metalized 0.12µF/50 V	CK45E2GAC472MC CK45F1F223Z CE04W1C100 M CK45F1F223Z CC45SL1H470J CE45F1H103Z CE04W0,101 M(SRA) CK45F1F223Z CE04W0,101 M(SRA) CK45F1F223Z CE04W0,101 M(SRA) CE04W0,331 M(SRA) SB CAP=822=C CK45F1F223Z CE04W1H4R 7M(SRA) CE04W1H4R 7M(SRA) CE04W1H4R 3M(SRA) CE04W1H7R3 3M(SRA) CE04W1H7R3 3M(SRA) CF93A1H124-J
CAPACI  △ C001,002  C202  C203,204  C205  C262  C715  C801  C802  C803  C804  C805  C806  C807  C808  C809  C810  C811  C812  C901	253 8003 713 253 1181 917 254 4254 909 253 1181 917 253 4537 966 253 1181 904 254 4213 937 253 1181 917 254 4213 937 253 1181 917 254 4213 937 254 6190 906 259 0007 003 253 1181 917 254 4196 973 254 4196 944 254 4196 948 256 1034 982 254 4260 948	Ceramic Cap. 4700pF/400 V Ceramic Cap. 0.022µF/50 V Electrolytic 10µF/16 V Ceramic Cap. 0.022µF/50 V Ceramic Cap. 0.022µF/50 V Ceramic Cap. 47pF/50 V Ceramic Cap. 0.01µF/50 V Electrolytic 100µF/6.3 V Ceramic Cap. 0.022µF/50 V Electrolytic 100µF/6.3 V Ceramic Cap. 0.022µF/50 V Electrolytic 100µF/6.3 V Electrolytic 100µF/6.3 V Electrolytic 330µF/6.3 V Back up Cap. 8200µF/5.5 V Ceramic Cap. 0.022µF/50 V Electrolytic 4.7µF/50 V Electrolytic 1µF/50 V Electrolytic 0.33µF/50 V Metalized 0.12µF/50 V Electrolytic 1µF/50 V Electrolytic 1µF/50 V Ceramic Cap. 0.022µF/50 V	CK45E2GAC472MC CK45F1F223Z CE04W1C100 M CK45F1F223Z CC45SL1H470J CE45F1H103Z CE04W0,101 M(SRA) CK45F1F223Z CE04W0,101 M(SRA) CK45F1F223Z CE04W0,101 M(SRA) CE04W0,331 M(SRA) SB CAP=82/2=C CK45F1F223Z CE04W1H4R 7M(SRA) CE04W1H4R 7M(SRA) CE04W1H4R 3M(SRA) CE04W1H6R 3M(SRA) CE04W1H6R 3M(SRA) CE04W1H6R 3M(SRA) CE04W1H6R 3M(SRA) CF93A1H124-J CE04W1H01 OM
CAPACI  △ C001,002  C202  C203,204  C205  C262  C715  C801  C802  C803  C804  C805  C806  C807  C808  C809  C810  C811  C812  C901  C902	253 8003 713 253 8003 713 253 1181 917 254 4254 909 253 1181 917 253 4537 966 253 1181 904 254 4213 937 253 1181 917 254 4213 937 254 4213 937 254 6190 906 259 0007 003 253 1181 917 254 4196 973 254 4196 944 254 4196 948 256 1034 982 254 4260 948 253 1181 917	Ceramic Cap. 4700pF/400 V Ceramic Cap. 0.022µF/50 V Electrolytic 10µF/16 V Ceramic Cap. 0.022µF/50 V Ceramic Cap. 0.022µF/50 V Ceramic Cap. 47pF/50 V Ceramic Cap. 0.01µF/50 V Electrolytic 100µF/6.3 V Ceramic Cap. 0.022µF/50 V Electrolytic 100µF/6.3 V Ceramic Cap. 0.022µF/50 V Electrolytic 100µF/6.3 V Electrolytic 100µF/6.3 V Back up Cap. 8200µF/5.5 V Ceramic Cap. 0.022µF/50 V Electrolytic 4.7µF/50 V Electrolytic 1µF/50 V Ceramic Cap. 0.022µF/50 V Ceramic Cap. 0.022µF/50 V Ceramic Cap. 0.022µF/50 V Ceramic Cap. 0.022µF/50 V	CK45E2GAC472MC CK45F1F223Z CE04W1C100 M CK45F1F223Z CC45SL1H470J CE45F1H103Z CE04W0,101 M(SRA) CK45F1F223Z CE04W0,101 M(SRA) CK45F1F223Z CE04W0,101 M(SRA) CE04W0,331 M(SRA) SB CAP=82,2=C CK45F1F223Z CE04W1H4R 7M(SRA) CE04W1H73 3M(SRA) CF93A1H124-J CE04W1H01 0M CK45F1F223 Z
CAPACI  △ C001,002  C202  C203,204  C205  C262  C715  C801  C802  C803  C804  C805  C806  C807  C808  C809  C810  C811  C812  C901  C902  C903,904	253 8003 713 253 1181 917 254 4254 909 253 1181 917 253 4537 966 253 1181 904 254 4213 937 253 1181 917 254 4213 937 253 1181 917 254 4213 937 254 6190 906 259 0007 003 253 1181 917 254 4196 973 254 4196 944 254 4196 948 254 4260 948 253 1181 917 253 4537 966 253 1179 928	Ceramic Cap. 4700pF/400 V Ceramic Cap. 0.022µF/50 V Electrolytic 10µF/16 V Ceramic Cap. 0.022µF/50 V Ceramic Cap. 0.022µF/50 V Ceramic Cap. 47pF/50 V Ceramic Cap. 0.02µF/50 V Electrolytic 100µF/6.3 V Ceramic Cap. 0.022µF/50 V Electrolytic 100µF/6.3 V Ceramic Cap. 0.022µF/50 V Electrolytic 100µF/6.3 V Electrolytic 330µF/6.3 V Back up Cap. 8200µF/5.5 V Ceramic Cap. 0.022µF/50 V Electrolytic 4.7µF/50 V Electrolytic 1µF/50 V Electrolytic 1µF/50 V Electrolytic 1µF/50 V Electrolytic 1µF/50 V Ceramic Cap. 0.022µF/50 V Ceramic Cap. 0.022µF/50 V Ceramic Cap. 47pF/50 V Ceramic Cap. 150pF/50 V Ceramic Cap. 150pF/50 V	CK45E2GAC472MC CK45F1F223Z CE04W1C100 M CK45F1F223Z CC45SL1H470J CE45F1H103Z CE04W0,101 M(SRA) CK45F1F223Z CE04W0,101 M(SRA) CK45F1F223Z CE04W0,101 M(SRA) CK45F1F223Z CE04W0,101 M(SRA) CE04W0,331 M(SRA) SB CAP=82,2=C CK45F1F223Z CE04W1H4R 7M(SRA) CE04W1H7R3 3M(SRA) CE04W1H7R3 3M(SRA) CE04W1H7R3 3M(SRA) CE04W1H7R3 3M(SRA) CE04W1H7R3 3M(SRA) CF93A1 H124-J CE04W1H01 OM CK45F1F223 Z CC45SL H47OJ CK45B1H151 K CK45B1H331 K
CAPACI  △ C001,002  C202  C203,204  C205  C262  C715  C801  C802  C803  C804  C805  C806  C807  C808  C809  C810  C811  C812  C901  C902  C903,904  C905,906	253 8003 713 253 1181 917 254 4254 909 253 1181 917 253 4537 966 253 1181 904 254 4213 937 253 1181 917 254 4213 937 253 1181 917 254 4213 937 254 6190 906 259 0007 003 253 1181 917 254 4196 973 254 4196 944 254 4196 948 254 4260 948 253 1181 917 253 4537 966 253 1179 963	Ceramic Cap. 4700pF/400 V Ceramic Cap. 0.022µF/50 V Electrolytic 10µF/16 V Ceramic Cap. 0.022µF/50 V Ceramic Cap. 47pF/50 V Ceramic Cap. 47pF/50 V Ceramic Cap. 0.02µF/50 V Ceramic Cap. 0.022µF/50 V Electrolytic 100µF/6.3 V Ceramic Cap. 0.022µF/50 V Electrolytic 100µF/6.3 V Electrolytic 100µF/6.3 V Electrolytic 330µF/6.3 V Back up Cap. 8200µF/5.5 V Ceramic Cap. 0.022µF/50 V Electrolytic 4.7µF/50 V Electrolytic 1µF/50 V Electrolytic 1µF/50 V Electrolytic 1µF/50 V Electrolytic 1µF/50 V Ceramic Cap. 0.022µF/50 V Ceramic Cap. 0.022µF/50 V Ceramic Cap. 150pF/50 V Ceramic Cap. 150pF/50 V Ceramic Cap. 330pF/50 V Ceramic Cap. 330pF/50 V	CK45E2GAC472MC CK45F1H223Z CE04W1C100 M CK45F1H223Z CC45SL1H470J CE45F1H103Z CE04W0J101 M(SRA) CK45F1H223Z CE04W0J101 M(SRA) CK45F1H223Z CE04W0J101 M(SRA) CE04W0J331 M(SRA) CE04W0J331 M(SRA) CE04W1H23Z CE04W1H4R 7M(SRA CE04W1HR3 3M(SRA CE04W1HR3 3M(SRA CE04W1HR3 3M(SRA CE04W1HO1 OM CK45F1H223 Z CC45SL1H47OJ CK45B1H351H CK45B1H351H CK45B1H351H CK45B1H31H
CAPACI  ↑ C001,002 C202 C203,204 C205 C262 C715 C801 C802 C803 C804 C805 C806 C807 C808 C809 C810 C811 C812 C901 C902 C903,904 C905,906 C907,908	253 8003 713 253 1181 917 254 4254 909 253 1181 917 253 4537 966 253 1181 904 254 4213 937 253 1181 917 254 4213 937 253 1181 917 254 4213 937 254 6190 906 259 0007 003 253 1181 917 254 4196 973 254 4196 944 254 4196 948 254 4260 948 253 1181 917 253 4537 966 253 1179 963	Ceramic Cap. 4700pF/400 V Ceramic Cap. 0.022µF/50 V Electrolytic 10µF/16 V Ceramic Cap. 0.022µF/50 V Ceramic Cap. 0.022µF/50 V Ceramic Cap. 47pF/50 V Ceramic Cap. 0.01µF/50 V Electrolytic 100µF/6.3 V Ceramic Cap. 0.022µF/50 V Electrolytic 100µF/6.3 V Ceramic Cap. 0.022µF/50 V Electrolytic 100µF/6.3 V Electrolytic 130µF/6.3 V Back up Cap. 8200µF/5.5 V Ceramic Cap. 0.022µF/50 V Electrolytic 4.7µF/50 V Electrolytic 1µF/50 V Electrolytic 1µF/50 V Electrolytic 1µF/50 V Electrolytic 1µF/50 V Ceramic Cap. 0.022µF/50 V Ceramic Cap. 150pF/50 V Ceramic Cap. 150pF/50 V Ceramic Cap. 330pF/50 V Ceramic Cap. 150pF/50 V Ceramic Cap. 150pF/50 V Ceramic Cap. 100pF/50 V Ceramic Cap. 100pF/50 V	CK45E2GAC472MC CK45F1H223Z CE04W1C100 M CK45F1H223Z CC45SL1H470J CE45F1H103Z CE04W0J101 M(SRA) CK45F1H223Z CE04W0J101 M(SRA) CK45F1H223Z CE04W0J101 M(SRA) CE04W0J331 M(SRA) CE04W0J331 M(SRA) SB CAP=822=C CK45F1H223Z CE04W1H010M(SRA) CE04W1HR3 3M(SRA) CE04W1HR3 3M(SRA) CE04W1HR101 OM CK45F1H223 Z CC04SSL1H470J CK45B1H351HC CK45B1H351HC CK45B1H351HC CK45B1H101 IM
CAPACI  △ C001,002 C202 C203,204 C205 C262 C715 C801 C802 C803 C804 C805 C806 C807 C808 C809 C810 C811 C812 C901 C902 C903,904 C905,906 C907,908 C909,910	253 8003 713 253 8003 713 253 1181 917 254 4254 909 253 1181 917 253 4537 966 253 1181 904 254 4213 937 253 1181 917 254 4213 937 254 4213 937 254 6190 906 259 0007 003 253 1181 917 254 4196 944 254 4196 948 256 1034 982 256 1034 982 253 1181 917 253 4537 966 253 1179 903 253 1179 903 254 4260 948	Ceramic Cap. 4700pF/400 V Ceramic Cap. 0.022μF/50 V Electrolytic 10μF/16 V Ceramic Cap. 0.022μF/50 V Ceramic Cap. 0.022μF/50 V Ceramic Cap. 0.021μF/50 V Ceramic Cap. 0.021μF/50 V Electrolytic 100μF/6.3 V Ceramic Cap. 0.022μF/50 V Electrolytic 100μF/6.3 V Ceramic Cap. 0.022μF/50 V Electrolytic 100μF/6.3 V Electrolytic 100μF/50 V Electrolytic 100μF/50 V Ceramic Cap. 0.022μF/50 V Ceramic Cap. 150pF/50 V Ceramic Cap. 150pF/50 V Ceramic Cap. 150pF/50 V Ceramic Cap. 100pF/50 V Electrolytic 1μF/50 V	CK45E2GAC472MC CK45F1H223Z CE04W1C100 M CK45F1H223Z CC45SL1H470J CE45F1H103Z CE04W0J101 M(SRA) CK45F1H223Z CE04W0J101 M(SRA) CK45F1H223Z CE04W0J101 M(SRA) CE04W0J331 M(SRA) CE04W0J331 M(SRA) CE04W0J331 M(SRA) CE04W1H010M(SRA) CE04W1H010M(SRA) CE04W1H010M(SRA) CE04W1H010MM(SRA) CE04W1H010MM(SRA) CF03A1H124J CE04W1H010M CK45F1H223Z CC45SL1H470J CK45B1H31K CK45B1H31K CK45B1H31K CK45B1H01K CE04W1H010M CQ92M1H33ZJ(MRZ
CAPACI  △ C001,002 C202 C203,204 C205 C262 C715 C801 C802 C803 C804 C805 C806 C807 C808 C809 C810 C811 C812 C901 C902 C903,904 C905,906 C907,908 C909,910 C911,912	253 8003 713 253 8003 713 253 1181 917 254 4254 909 253 1181 917 253 4537 966 253 1181 904 254 4213 937 253 1181 917 254 4213 937 254 4213 937 254 6190 906 259 0007 003 253 1181 917 254 4196 973 254 4196 944 254 4260 948 253 1179 903 253 1179 903 254 4260 948 255 1251 933	Ceramic Cap. 4700pF/400 V Ceramic Cap. 0.022μF/50 V Electrolytic 10μF/16 V Ceramic Cap. 0.022μF/50 V Ceramic Cap. 0.022μF/50 V Ceramic Cap. 0.01μF/50 V Ceramic Cap. 0.021μF/50 V Electrolytic 100μF/6.3 V Ceramic Cap. 0.022μF/50 V Electrolytic 100μF/6.3 V Ceramic Cap. 0.022μF/50 V Electrolytic 100μF/6.3 V Electrolytic 100μF/5.5 V Ceramic Cap. 0.022μF/50 V Electrolytic 100μF/50 V Ceramic Cap. 150μF/50 V Electrolytic 1μF/50 V	CK45E2GAC472MC CK45F1H223Z CE04W1C100 M CK45F1H223Z CC45SL1H470J CE45F1H103Z CE04W0J101 M(SRA) CK45F1H223Z CE04W0J101 M(SRA) CK45F1H223Z CE04W0J101 M(SRA) CE04W0J331 M(SRA) CE04W0J331 M(SRA) CE04W1H101 OM(SRA) CE04W1H101 OM(SRA) CE04W1H101 OM CK45F1H223 Z CC04SSL1H470J CK45B1H31H51HC CK45B1H31HC CK45B1H31HC CK45B1H31HC CK45B1H101 IM CQ92M1H33 2J(MRZ CE04W1H01 OM
CAPACI  △ C001,002 C202 C203,204 C205 C262 C715 C801 C802 C803 C804 C805 C806 C807 C808 C809 C810 C811 C812 C901 C902 C903,904 C905,906 C907,908 C909,910 C911,912 C913,914	253 8003 713 253 8003 713 253 1181 917 254 4254 909 253 1181 917 253 4537 966 253 1181 904 254 4213 937 253 1181 917 254 4213 937 254 4213 937 254 6190 906 259 0007 003 253 1181 917 254 4196 928 256 1034 982 256 1034 982 256 1034 982 253 1181 917 253 4537 966 253 1179 903 253 1179 903 254 4260 948 255 1251 933 254 4260 948 255 1251 933 254 4252 936	Ceramic Cap. 4700pF/400 V Ceramic Cap. 0.022μF/50 V Electrolytic 10μF/16 V Ceramic Cap. 0.022μF/50 V Ceramic Cap. 0.022μF/50 V Ceramic Cap. 0.01μF/50 V Ceramic Cap. 0.021μF/50 V Electrolytic 100μF/6.3 V Ceramic Cap. 0.022μF/50 V Electrolytic 100μF/6.3 V Ceramic Cap. 0.022μF/50 V Electrolytic 100μF/6.3 V Electrolytic 100μF/5.5 V Ceramic Cap. 0.022μF/50 V Electrolytic 1μF/50 V Metalized 0.12μF/50 V Ceramic Cap. 0.022μF/50 V Ceramic Cap. 150pF/50 V Ceramic Cap. 150pF/50 V Ceramic Cap. 150pF/50 V Ceramic Cap. 150pF/50 V Ceramic Cap. 100pF/50 V Electrolytic 1μF/50 V Mylar Film 0.0033μF/50 V Electrolytic 100μF/50 V	CK45E2GAC472MC CK45F1H223Z CE04W1C100 M CK45F1H223Z CC45SL1H470J CE45F1H103Z CE04W0J101 M(SRA) CK45F1H223Z CE04W0J101 M(SRA) CK45F1H223Z CE04W0J101 M(SRA) CE04W0J331 M(SRA) SB CAP=822=C CK45F1H223Z CE04W1H010M(SRA) CE04W1HR3 3M(SRA CE04W1HR3 3M(SRA CE04W1HR3 3M(SRA CE04W1HR3 3M(SRA CF93A1H124J CE04W1H01 0M CK45F1H223Z CC45SL1H470J CK45B1H31K CK45B1H31K CK45B1H31K CK45B1H01 M CQ92M1H33 2J(MRZ CE04W1A10 1M CF93A1H683J
CAPACI  △ C001,002 C202 C203,204 C205 C262 C715 C801 C802 C803 C804 C805 C806 C807 C808 C809 C810 C811 C812 C901 C902 C903,904 C905,906 C907,908 C909,910 C911,912 C913,914 C915,916	253 8003 713 253 8003 713 253 1181 917 254 4254 909 253 1181 917 253 4537 966 253 1181 904 254 4213 937 253 1181 917 254 4213 937 253 1181 917 254 4213 937 254 6190 906 259 0007 003 253 1181 917 254 4196 944 254 4196 948 256 1034 982 256 1034 982 253 1179 903 253 1179 903 254 4260 948 255 1251 937 254 4252 936 256 1034 952	Ceramic Cap. 4700pF/400 V Ceramic Cap. 0.022μF/50 V Electrolytic 10μF/16 V Ceramic Cap. 0.022μF/50 V Ceramic Cap. 0.022μF/50 V Ceramic Cap. 0.01μF/50 V Ceramic Cap. 0.02μF/50 V Electrolytic 100μF/6.3 V Ceramic Cap. 0.022μF/50 V Electrolytic 100μF/6.3 V Ceramic Cap. 0.022μF/50 V Electrolytic 100μF/6.3 V Electrolytic 100μF/6.3 V Electrolytic 100μF/6.3 V Electrolytic 100μF/6.3 V Electrolytic 100μF/6.5 V Ceramic Cap. 0.022μF/50 V Electrolytic 14F/50 V Electrolytic 14F/50 V Electrolytic 14F/50 V Electrolytic 14F/50 V Ceramic Cap. 0.022μF/50 V Ceramic Cap. 150pF/50 V Electrolytic 1μF/50 V Electrolytic 1μF/50 V Electrolytic 1μF/50 V Ceramic Cap. 150pF/50 V Electrolytic 1μF/50 V Electrolytic 1μF/50 V Mylar Film 0.0033μF/50 V Electrolytic 100μF/10 V Metalized 0.068μF/50 V	CK45E2GAC472MC CK45F1H223Z CE04W1C100 M CK45F1H223Z CC45SL1H470J CE45F1H103Z CE04W0J101 M(SRA) CK45F1H223Z CE04W0J101 M(SRA) CK45F1H223Z CE04W0J101 M(SRA) CE04W0J331 M(SRA) SB CAP=822=C CK45F1H223Z CE04W1H01 OM(SRA) CE04W1H01 OM(SRA) CE04W1H01 OM(SRA) CE04W1H01 OM(SRA) CE04W1H01 OM CK45F1H223 Z CC45SL1H470J CK45B1H51IK CK45B1H51IK CK45B1H101 K CK45B1H101 K CE04W1H01 OM CQ92M1H33 2J(MRZ CE04W1A10 1 M CF93A1 H682J CE04W101 OM
CAPACI  △ C001,002 C202 C203,204 C205 C262 C715 C801 C802 C803 C804 C805 C806 C807 C808 C809 C810 C811 C812 C901 C902 C903,904 C905,906 C907,908 C909,910 C911,912 C913,914 C915,916 C917,918	253 8003 713 253 8003 713 253 1181 917 254 4254 909 253 1181 917 253 4537 966 253 1181 904 254 4213 937 253 1181 917 254 4213 937 254 4213 937 254 6190 906 259 0007 003 253 1181 917 254 4196 973 254 4196 944 254 4196 928 256 1034 982 256 1034 982 253 1179 903 253 1179 903 254 4260 948 255 1251 937 254 4252 930 256 1034 952 256 1034 952 256 1034 952 254 4252 930 256 1034 952 254 4254 905	Ceramic Cap. 4700pF/400 V Ceramic Cap. 0.022μF/50 V Electrolytic 10μF/16 V Ceramic Cap. 0.022μF/50 V Ceramic Cap. 0.022μF/50 V Ceramic Cap. 0.01μF/50 V Ceramic Cap. 0.02μF/50 V Electrolytic 100μF/6.3 V Ceramic Cap. 0.022μF/50 V Electrolytic 100μF/6.3 V Ceramic Cap. 0.022μF/50 V Electrolytic 100μF/6.3 V Electrolytic 100μF/6.3 V Electrolytic 100μF/6.3 V Electrolytic 100μF/6.5 V Ceramic Cap. 0.022μF/50 V Electrolytic 330μF/50 V Electrolytic 1μF/50 V Electrolytic 1μF/50 V Electrolytic 1μF/50 V Ceramic Cap. 0.022μF/50 V Ceramic Cap. 0.022μF/50 V Electrolytic 1μF/50 V Ceramic Cap. 150pF/50 V Electrolytic 1μF/50 V Mylar Film 0.0033μF/50 V Electrolytic 100μF/10 V Metalized 0.068μF/50 V Electrolytic 100μF/10 V Electrolytic 100μF/10 V Electrolytic 10μF/16 V	CK45E2GAC472MC CK45F1H223Z CE04W1C100 M CK45F1H223Z CC45SL1H470J CE45F1H103Z CE04W0J101 M(SRA) CK45F1H223Z CE04W0J101 M(SRA) CK45F1H223Z CE04W0J101 M(SRA) CE04W0J331 M(SRA) SB CAP=822=C CK45F1H223Z CE04W1H010M(SRA) CE04W1HR3 3M(SRA CE04W1HR3 3M(SRA CE04W1HR3 3M(SRA CE04W1HR3 3M(SRA CF93A1H124J CE04W1H01 0M CK45F1H223Z CC45SL1H470J CK45B1H31K CK45B1H31K CK45B1H31K CK45B1H01 M CQ92M1H33 2J(MRZ CE04W1A10 1M CF93A1H683J

## 1U-2729G for Multi-Voltage Model PARTS LIST

(Same as 1U-2729A, B for Europe Black and Gold except the following Parts)

Ref. No.	Parts No.	Parts Name	Remarks	
C925,926	253 1179 961	Ceramic Cap. 330pF/50 V	CK45B1H331K	
C935	254 4252 930	Electrolytic 100µF/10 V	CE04W1A101M	
C936,937	254 4256 936	Electrolytic 47μF/25 V	CE04W1E470M	
OTHER G	ROUP			Q'ty
	_	(P.W.Board)		(1)
L901,902	235 9003 002	FTZ Choke Coil		2
△ RL001	214 0142 004	Relay(TV-5)		1
△ F001	206 1015 032	Fuse 2.5 A		1
<b>△ F00</b> 2	206 1015 029	Fuse 1 A T		1
Δ	203 3950 002	3 P AC Outlet		1
	202 0040 909	Fuse Clip		4
∆ swoo1	212 1101 006	Power Switch (TV-5)		1
SW801~806		Tact Switch		6
SW901	212 1099 008	1 P Push Switch	MM/MC	1
	204 8413 000	2 P Pin Jack(C-GND)	Phono	1
XL801	399 9018 003	Ceramic Resonator CST 4.00MGW		1
	205 0692 000	2 P Wrapping Terminal		1
CN201A	205 0667 006	10 P Conn. Base -L(9130)		1
CN901A	205 0337 051	5 P Conn. Base -L(9130)		1
CN2B	205 0406 034	3 P Conn. Base (KR-PH)		1
	203 0494 008	1 P Contact Ass'y		1
	203 0418 000	1 P SIN Cord Ass'y		1
CN801A	204 6497 002	14 P PH-SAN Conn. Cord		1
	203 5018 007	3 P SAN-SAN Conn. Cord		1
	203 5020 008	3 P SIN Cord Ass'y		1
	203 2364 000	2 P SIN Cord Ass'y		1
	203 0600 009	1P Contact Ass'y		1
	415 0299 000	Condenser Cover	for C002	1

Ref. No.	Part No.	Part Name	Remarks	Q'ty
OTHER G	ROUP			
L901,902	235 9003 002	FTZ Choke Coil	Delete	Τ_
F003	203 3950 002	3PA Outlet	Delete	-
003	206 1015 032	Fuse 2.5A	Add	1
<b></b>	202 0040 909	Fuse Clip	Add. (for F003)	2(6
001 002	206 1036 011 206 1015 061	Fuse (6.3A)	Change	1
uuz	513 2323 029	Fuse (2A) Fuse Label T2.0A	Change Add for F002	1
	513 2323 045	Fuse Label T6.3A	Add for F001	1
	513 2323 058	Fuse Label T2.5A	Add for F003	1
			* *	
				1
				1
1			1	

## 1U-2729D for U.S.A., Canada PARTS LIST

(Same as 1U-2729A, B for Europe Black and Gold except the following Parts)

Ref. No.	Part No.	Part Name	Remarks	Q'ty
CAPACIT	TORS GROU	P		
C262	253 4537 966	Ceramic Cap. 47pF/50 V	Delete	T -
OTHER C	GROUP			
L901,902	235 9003 002	FTZ Choke Coil	Delete	T -
⚠ F001	206 1046 001	Fuse 6.3A	Change	1
Δ	203 3950 002	3P AC Outlet	Delete	- 1
△ F002	206 1046 014	Fuse 8A	Change	1
	513 2323 003	Fuse Label 6.3A	Add for F001	1
	513 1897 093	Fuse Label 8A	Add for F002	1
	ľ			

# PARTS LIST OF P.W. BOARD: PMA-715R/715RG 1U-2735 A, B MAIN UNIT ASS'Y (for Europe Version)

Ref. No.	Parts No.	Parts Name	Remarks	Ref. No.	Parts No.	Parts Name	Remarks
SEMICON	DUCTORS	GROUP		△ R631	244 2051 990	Metal Oxide 4.7kohm 1 W	RS14B3A472JNBS(S)
IC201	265 0322 004	IC BA4558		⚠ R632-635	244 2064 932	Metal Oxide 3.9kohm 1 W	RS14B3A392JNBS(S)
IC401,402	263 0930 001	ICµPC5023CS-064	μ-com	A R711,712	244 2043 908	Metal Oxide 580ohm 1 W	RS14B3A681JNBS(S)
IC403,404	262 0874 009	IC TLP521-1(BL)	μ-ωπ	△ R713	241 2387 940	Carbon Film 4.7ohm 1/4 W(NB)	RD14B2E4R7JNBS
IC701	268 0073 905	IC ICP-N15	IC Protector 15 V	⚠ R716	241 2387 940	Carbon Film 4.7ohm 1/4 W(NB)	RD14B2E4R7JNBS
IC701	263 0793 002	IC NJM7806FA(S)	Regulator +6 V	△ R717,718	244 2043 908	Metal Oxide 680ohm 1 W	RS14B3A681JNBS(S)
10702	203 0733 002	10 (10)(17000) 7((0)	Trogonator To				Dalasas
TR301~304	271 0094 919	Transistor 2SA970(BL)		VR202	211 0798 103	Variable Resister 100kohm	Balance
TR305,306	271 0131 924	Transistor 2SA988(E/F)		VR203	211 0834 012	Variable Resister 10kohm	Treble
TR307~312	273 0235 923	Transistor 2SC1841(E/F)		VR204	211 0834 009	Variable Resister 30kohm	Bass
TR313,314	273 0303 910	Transistor 2SC1740S(S)					
TR323	271 0131 924	Transistor 2SA988(E/F)					
TR401,402	271 0280 901	Transistor 2SA1038S(S)		CAPACIT	ORS GROU	P	
TR403,404	273 0281 906	Transistor 2SC2705(O)/(Y)			253 4237 982	Ceramic Cap. 56pF/50 V	CC45SL1H560J
TR405,406	273 0432 904	Transistor 2SC2389S(S)		C101~110	253 4237 962	Ceramic Cap. 30pr/30 V	CC45SL1H221J
TR407,408	271 0168 900	Transistor 2SA1145(O)/(Y)		C111,112		Mylar Film 0.022µF/50 V	CQ93M1H223J(B)
TR601,602	273 0235 923	Transistor 2SC1841(E/F)		C113	255 1265 978		CE04W1H010M
TR603~605	273 0303 910	Transistor 2SC1740S(S)		C207,208	254 4260 948	Electrolytic 1µF/50 V	
TR606	271 0192 905	Transistor 2SA933S(S)		C209,210	253 4537 982	Ceramic Cap. 56pF/50 V	CC45SL1H560J CC45SL1H101J
TR607	273 0235 923	Transistor 2SC1841(E/F)		C211,212	253 4538 949	Ceramic Cap. 100pF/50 V	
TR608	271 0094 935	Transistor 2SA970(BL/GR)		C213,214	254 4260 948	Electrolytic 1µF/50 V	CE04W1H010M
TR609	271 0131 924	Transistor 2SA988(E/F)		C215,216	254 4254 909	Electrolytic 10µF/16 V	CE04W1C100M
TR610~612		Transistor 2SC1841(E/F)		C217,218	255 1265 994	Mylar Film 0.033µF/50 V	CQ93M1H333J(B)
TR701	274 0120 002	Transistor 2SD1762(E/F)		C219,220	254 4260 919	Electrolytic 0.22μF/50 V	CE04W1HR22M
TR702	272 0083 004	Transistor 2SB1185(E/F)		C221,222	254 4260 906	Electrolytic 0.1µF/50 V	CE04W1HOR1M
TR703	271 0280 901	Transistor 2SA1038S(S)		C223,224	254 4260 935	Electrolytic 0.47μF/50 V	CE04W1HR47M
TR704,705	273 0432 904	Transistor 2SC2389S(S)		C225,226	254 4260 922	Electrolytic 0.33µF/50 V	CE04W1HR33M
TR706	273 0303 910	Transistor 2SC1740S(S)		C227,228	256 1034 953	Metalized 0.068µF/50 V	CF93A1H683J
TR707	274 0120 002	Transistor 2SD1762(E/F)		C229,230	255 1265 994	Mylar Film 0.033µF/50 V	CQ93M1H333J(B)
				C261	253 1181 917	Ceramic Cap. 0.022µF/50 V	CK45F1H223Z
D101~106	276 0616 907	Diode 1SS252		C301,302	254 4254 909	Electrolytic 10µF/16 V	CE04W1C100M
D301,302	276 0616 907	Diode 1SS252		C303,304	253 4538 949	Ceramic Cap. 100pF/50 V	CC45SL1H101J
D401~414	276 0616 907	Diode 1SS252		C305,306	253 4454 900	Ceramic Cap. 560pF/50 V	CC45SL1H561J
D601~603	276 0616 907	Diode 1SS252		C307,308	253 1117 907	Ceramic Cap. 2700pF/50 V	CK45B1H272K
D701	276 0553 905	Diode 1SR35-200A		C309,310	254 4252 969	Electrolytic 470µF/10 V	CE04W1A471M
∆ D702	276 0338 007	Diode S4VB20F	Bridge	C311,312	253 4537 966	Ceramic Cap. 47pF/50 V	CC45SL1H470J
D703,704	276 0553 905	Diode 1SR35-200A		C317,318	253 4470 900	Ceramic Cap. 10pF/500 V	CC45SL2H100D
•				C319,320	254 4260 948	Electrolytic 1µF/50 V	CE04W1HO10M
ZD401~404	276 0643 954	Zener Diode MTZJ3.9A	3.9 V	C321,322	254 4260 993	Electrolytic 22µF/50 V	CE04W1H220M
ZD601	276 0644 911	Zener Diode MTZJ7.5A	7.5 V	C329~332	254 4262 904	Electrolytic 4.7µF/63 V	CE04W1J4 R7M
ZD701,702	276 0645 978	Zener Diode MTZJ36A	36 V	C333,334	253 4456 908	Ceramic Cap. 680pF/50 V	CC45SL1H681J
ZD703	276 0644 911	Zener Diode MTZJ7.5A	7.5 V	C339 -	254 4262 755	Electrolytic 100µF/63 V	CE04W1J1 01MC
ZD704	276 0644 995	Zener Diode MTZJ16	16 V	C341	253 4538 949	Ceramic Cap. 100pF/50 V	CC45SL1H101J
ZD705,706	276 0645 907	Zener Diode MTZJ18	18 V	C343,344	253 4444 907		CC45SL1H221J
				C361~364	253 4470 900	Ceramic Cap. 10pF/500 V	CC45SL2H100D
SC601	279 0016 904	Thyristor SF0R1A42		C371	253 4537 966	Ceramic Cap. 47pF/50 V	CC45SL1H470J
				C401,402	254 4261 918		CE04W1H-470M
				C403	254 3056 959	Electrolytic 10µF/50 V	CE04W1H 100MBP
550105	222 22212	(Al-1) and ad Ondran Fi	I + E9/	1 0403	234 3030 939	(Bipolar)	02011111
		(Not included Carbon Fi		C404	254 3080 909		CE04W1V 100MBP
1/4 W Ty	pe. Refer to	the Schematic Diagram 1	or those parts.)	C404	234 3000 303	(Bipolar)	02041111
<b>∆</b> R115	244 2052 957	Metal Oxide 5,6kohm 1 W	RS14B3A562JNBS(S)	C405,406	254 4260 993	, , , ,	CE04W1H220M
R116	244 2050 991		RS14B3A682JNBS(S)	C405,406 C407,408	253 1180 921	Ceramic Cap. 1000pF/50 V	CK45B1H 102K
△ R309-312			RD14B2E222JNBS	C407,408 C409,410	254 4260 948		CE04W1H1010M
A R319-322			RD14B2E131JNBS	1 (		1	CQ93M1H 103J(E,
△ R323,324	241 2315 967		RD14B2E680GFRS	C411,412	255 1265 936		CK45=1E 1 04Z
△ R325,326	241 2379 932		RD14B2E621JNBS	C413~416	253 9039 906		CK45=1E 1 042 CK45B1H-471K
△ R333-336			RS14B3AR22JNBS(S)	C451,452	253 1179 987	Ceramic Cap. 470pF/50 V	
△ R341,342	241 2375 907	O10000000	RD14B2E100JNBS	C501,502	256 1034 979	· ·	CF93A1H 104J
△ R345-348			RS14B3AR22JNBS(S)	C503~506	255 1264 982		CQ93M1H472J(E;
△ 18351	241 2379 987		RD14B2E102JNBS	C509,510	255 1265 936	· ·	CQ93M1H103J(E)
△ R501,502	244 2043 937		RS14B3A100JNBS(S)	C601,602	255 1265 936	Mylar Film 0.01µF/50 V	CQ93M1H103J(E)
	**************************************		RS14B3A181JNBS(S)	C603	254 4250 945	Electrolytic 330µF/6.3 V	CE04W0J:331M
// BEUE EUG	ことすべ としごじ さごご	micial CANC HOUSING 1 11	1 1/2 00 1 100 0000000000000000000000000	0004	254 4252 930	Electrolytic 100µF/10 V	CE04W1A-101M
A R505~508 A R601~604		Carbon Film 2knhm 1/4 WINR)	R014B2F202.INRS	C604	201 1202 000		
△ R505~508 △ R601~604 △ R627			RD14B2E202JNBS RS14B3A222JNBS(S)	C605	254 4252 901		CE04W1 ~ 220M CQ93M1H 1223J/5,

Ref. No.	Parts No.	Parts Name	Remarks
C701,702 C703,704 C705,706 C707 C708,709 C711 C712,713 C714	254 4260 948 254 4256 952 254 4365 704 256 1042 903 254 4263 916 253 1181 904 254 4260 980 253 1181 904	Electrolytic 1μF/50 V Electrolytic 220μF/25 V Electrolytic 220μF/25 V Electrolytic 10000μF/56 V Metalized 0.1μF/250 V Electrolytic 0.22μF/100 V Ceramic Cap. 0.01μF/50 V Electrolytic 10μF/50 V Ceramic Cap. 0.01μF/50 V	CE04W1H010M CE04W1E221M CE04W==103MC(DL) CF93A2E104K CE04W2AR22M CK45F1H103Z CE04W1H100M CK45F1H103Z
OTHER G	ROUP		Q'ty
	_	(P.W.Board)	(1)

OTHER (	GROUP			Q
	_	(P.W.Board)		(
L301,302	235 0068 004	Inductor tµH		
SW101 SW201 SW202 SW501	212 0336 005 212 1097 000 212 1127 006 212 1131 005 214 0127 003	1 P Push Switch 1 P Push Switch	Rec out sel Loudness S.Direct SP-A/B	
RL601	214 9003 005	Relay		6
	205 0484 001 204 8354 004 204 8355 003 204 8266 008 204 8278 009	8 P SP Terminal Headphone Jack Headphone Jack 4 P Pin Jack(S-GND) 6 P Pin Jack(S-GND)	Black model Gold model Tape	1 1 1 2 1
T.P. CN901B CN201B CN801B CN701A CN701 CN501 CN502 CN2B	205 0190 036 205 0666 052 205 0666 007 205 0375 042 205 0233 032 203 4833 018 204 2692 102 204 0449 001 203 5019 103 203 0600 009	3 P NH Conn. Base 5 P Conn. Base(9130) 10 P Conn. Base(9130) 14 P Conn. Base(KR-PH) 3 P EH Conn. Base 3 P EH-SCN Conn. Cord 7 P SCN-SCN Conn. Cord 6 P SCN-SCN Conn. Cord 3 P PH 2 P-SAN Ass'y 1 P Contact Ass'y		2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

# 1U-2735G for Multi Voltage Model PARTS LIST

(Same as 1U-2735A, B for Europe Black and Gold except the following Parts)

Def No	Pof No.					
Ref. No.	Part No.	Part Name	Remarks	Q'tv		
CAPACIT	ORS GROU	P		1-19		
C261	253 1181 917	Ceramic Cap. 0.022µF/50V	Delete	T -		
OTHER G	ROUP			4-1		
	205 0472 013	8P SP Terminal	Change	1		

# U-2735C for Australia, U.K models PARTS LIST

ame as 1U-2735A, B for Europe Black and Gold except the following Parts)

Ref. No.	Part No.	Part Name	Remarks	Q'ty		
CAPACIT						
C261	253 1181 917	Ceramic Cap. 0.022µF/50V	Delete	Τ_		
OTHER GROUP						
	205 0472 013	8P SP Terminal	Change	1		

Ref. No.	1- 4110 110.	, arts Hame	Remarks
SEMICO	NDUCTORS	GROUP	
IC801	262 1579 303	10 110 10 100 17 101	μ-com
IC802	263 0476 002	10 22 1000	•
IC803	263 0535 008	IC M51594AL	
IC901	265 0322 004	IC BA4558	
TR801-806		Transistor 2SC1841(E/F)	
TR807	271 0192 905	Transistor 2SA933S(S)	
TR808,809	273 0303 910	Transistor 2SC1740S(S)	
TR810	269 0026 900	Transistor RN2202	Built in Resistor
TR901~904	275 0038 045	FET 2SK369(BL)/(GR)-C	Dant 11, 1100.0101
D001	276 0616 907	Diode 1SS252	
D801~808	276 0616 907	Diode 1SS252	
D901,902	276 0616 907	Diode 1SS252	
LD801	393 9453 916	LED SEL1810A	
LD802~807	393 9434 906	LED SEL1210A	
	499 0150 008	Remocon Sensor SBX1610-52	
PESISTOF	PS GROUP	(A)=A1:=-1:1=-1	
/4 W Type	e. Refer to ti	(Not included Carbon Fill he Schematic Diagram fo	m ±5%,
		Carbon Film 4.7ohm 1/4 W(NB)	RD1482E4R7JNBS
R936,937	241 2377 905	Carbon Film 68ohm 1/4 W(NB)	RD14B2E680JNBS
VR201		Variable Resister 30kohm	VR201 Main Volume

VR201	211 0761 004	Variable Resister 30kohm	VR201 Main Volume
△ R936,937	241 2377 905	Carbon Film 68ohm 1/4 W(NB)	RD14B2E680JNBS

CAPAC	TORS GROU	JP	
△ C001,002	253 8003 713	Ceramic Cap. 4700pF/400 V	CK45E2GAC472MC
C203,204	254 4254 909		CE04W1C100M
C205	253 1181 917	Ceramic Cap. 0.022µF/50 V	CK45F1H223Z
C262	253 4537 966	Ceramic Cap. 47pF/50 V	CK45SL1H470J
C715	253 1181 904	Ceramic Cap. 0.01µF/50 V	CK45F1H103Z
C801	254 4213 937	Electrolytic 100µF/6.3 V	CE04W0J101M(SRA)
C802	253 1181 917	Ceramic Cap. 0.022µF/50 V	CK45F1H223Z
C803	254 4213 937	Electrolytic 100µF/6.3 V	CE04W0J101M(SRA)
C804	253 1181 917	Ceramic Cap. 0.022µF/50 V	CK45F1H223Z
C805	254 4213 937	Electrolytic 100µF/6.3 V	CE04W0J101M(SRA)
C806	254 6190 906	Electrolytic 330µF/6.3 V	CE04W0J331M(SRA)
C807	259 0007 003	Back up Cap. 8200μF/5.5 V	SB CAP==822=C
C808	253 1181 917	Ceramic Cap. 0.022µF/50 V	CK45F1H223Z
C809	254 4196 973	Electrolytic 4.7µF/50 V	CE04W1H4R7M(SRA)
C810	254 4196 944	Electrolytic 1µF/50 V	CE04W1H010M(SRA)
C811	254 4196 928	Electrolytic 0.33µF/50 V	CE04W1HR33M(SRA)
C812	256 1034 982	Metalized 0.12µF/50 V	CF93A1H124J
C901	254 4260 948	Electrolytic 1µF/50 V	CE04W1H010M
C902	253 1181 917	Ceramic Cap. 0.022µF/50 V	CK45F1H223Z
C903,904	253 4537 966	Ceramic Cap. 47pF/50 V	CC45SL1H470J
C905,906	253 1179 929	Ceramic Cap. 150pF/50 V	CK45B1H151K
C907,908	253 1179 961	Ceramic Cap. 330pF/50 V	CK45B1H331K
C909,910	253 1179 903	Ceramic Cap. 100pF/50 V	CK45B1H101K
C911,912	254 4260 948	Electrolytic 1µF/50 V	CE04W1H010M
C913,914	255 1251 937	Mylar Film 0.0033µF/50 V	CQ92M1H332J(MRZ)
C915,916	254 4252 930	Electrolytic 100µF/10 V	CE04W1A101M
C917,918	256 1034 953	Metalized 0.068µF/50 V	CF93A1H683J
C919,920	254 4254 909	Electrolytic 10μF/16 V	CE04W1C100M
1			

# 1U-2736C for Australia, U.K models PARTS LIST (Same as 111-2736A, B for Europe Black and Gold except the following Parts)

Ref. No.	Parts No.	Remarks		
C921,922	255 4223 959	Mylar Film 0.018µF/50 V	CQ92M1H183J(MRZ)	
C923,924	255 6178 976	Film Cap. 0.0012µF/50 V	CQ09S1H122J(SMT)	
C925,926	253 1179 961	Ceramic Cap. 330pF/50 V	CK45B1H331K	
C935	254 4252 930	Electrolytic 100µF/10 V	CE04W1A101M	
C936,937	254 4256 936	Electrolytic 47µF/25 V	CE04W1E470M	
071157.0	2010			2'41
OTHER G	ROUP			2'ty
	-	(P.W.Board)		(1)
L901,902	235 9003 002	FTZ Choke Coil		2
△ PL001	214 0142 004	Relay(TV-5)		1
<b>⚠</b> F001	206 1015 061	Fuse 2 A		1
△ F002	206 1015 029	Fuse 1 A T		1
Δ	203 3950 002	3 P AC Outlet		1
	202 0040 909	Fuse Clip		4
∆ swoot	212 1101 006	Power Switch (TV-5)		1
SW801~806		Tact Switch		6
SW901	212 1099 008	1 P Push Switch	MM/MC	1
	204 8413 000	2 P Pin Jack(C-GND)	Phono	1
XL801	399 9018 003	Ceramic Resonator		1
		CST 4.00MGW		
	205 0692 000	2 P Wrapping Terminal		1
CN201A	205 0667 006	10 P Conn. Base -L(9130)		1
CN901A	205 0667 051	5 P Conn. Base -L(9130)	İ	1
	205 0406 034	5 P Conn. Base (KR-PH)		1
	203 0494 008	1 P Contact Ass'y		1
	203 0418 000	1 P SIN Cord Ass'y		1
CN801A	204 6497 002	14 P PH-SAN Conn. Cord		1
	203 5018 007	3 P SAN-SAN Conn. Cord		1
1	203 5020 008	3 P SIN Cord Ass'y		1
	203 2364 000	3 P SIN Cord Ass'y		1
	203 0600 009	1 P Contact Ass'y		1
	415 0299 000	Condenser Cover	for C002	1

1U-2736G for M	lulti Voltage N	Model PARTS LIST
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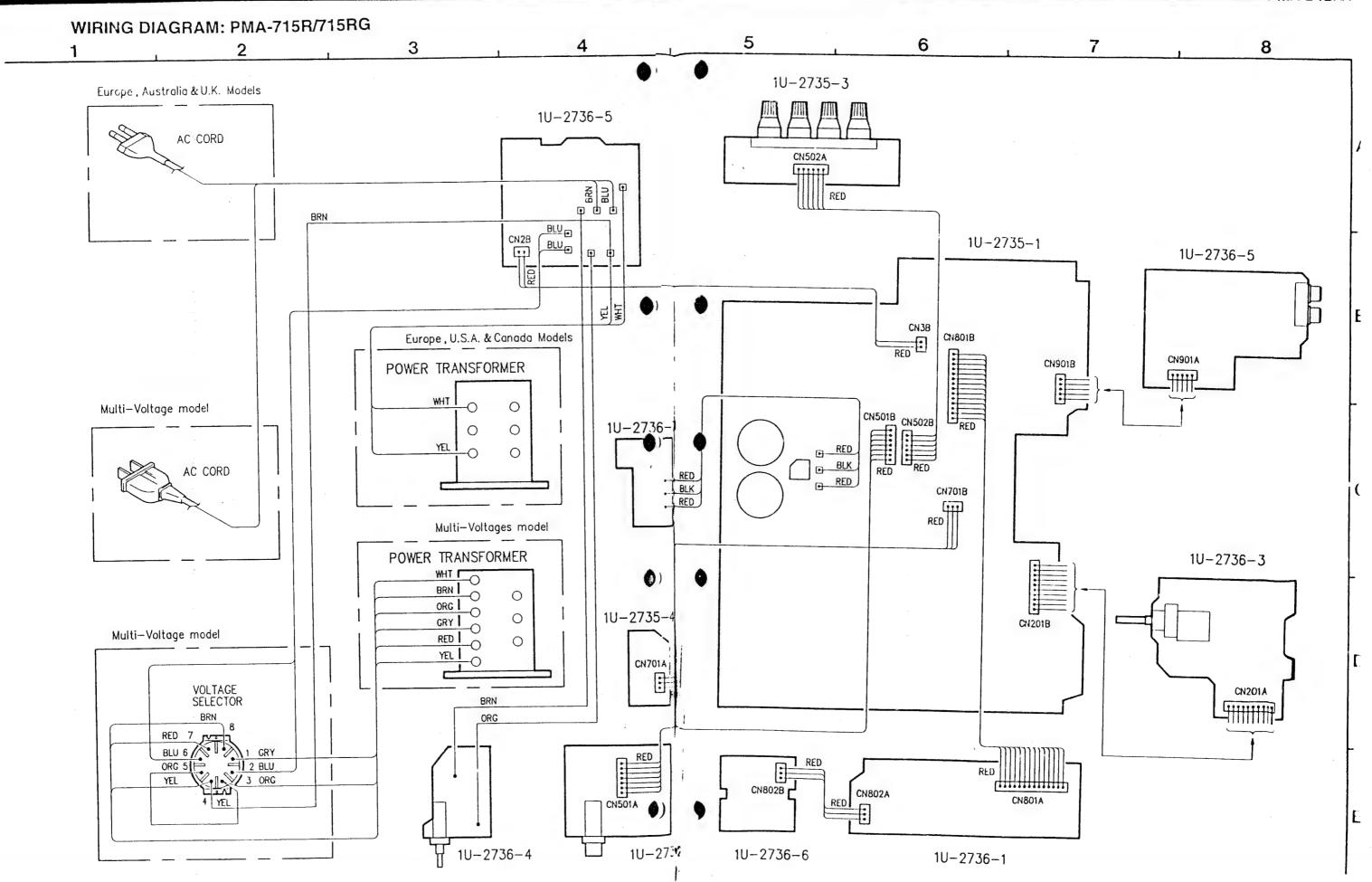
(Same as 10-2736A, B for Europe Black and Gold except the following Parts)

Ref. No. Part No.		Part Name Remarks						
CAPACITORS GROUP								
C262	253 4537 966	Ceramic Cap. 0.022µF/50 V	Delete	-				
				١,				
OTHER G	ROUP							
L901,902	235 9003 002	FTZ Choke Coil	Delete	-				
·	203 3950 002	3P AC Outlet	Delete					
∆ F003	206 1015 061	Fuse 2A	Add	1				
	202 0040 909	Fuse Clip	Add (for F003)	2				
∆ F001	206 1015 090	Fuse (5A)	Change	1				
∆ F002	206 1015 001	Fuse (2A)	Change	1				
	513 2323 016	Fuse Label T5.0A	Add for F001	1				
	513 2323 029	Fuse Label T2.0A	Add for F002	1				
	513 2323 032	Fuse Label T2.0A	Add for F003	1				
	203 0600 009	1 P Contact Ass'y	Delete	-				
	513 2323 029 513 2323 032	Fuse Label T2.0A Fuse Label T2.0A	Add for F002 Add for F003	_				

	Ref. No.	Part No.	Part Name	Remarks	Q'ty
	CAPACIT	ORS GROU	P		
	C262	253 4537 966	Ceramic 47pF/50V	Delete	-
	OTHER C	ROUP	l		
	L901,902 ⚠ F002 ⚠	235 9003 002 206 1015 029 203 3950 002 203 0600 099	FTZ Choke Coil Fuse 1AT 3P AC Outlet 1P Contact Ass'y	Delete Delete Delete Delete	1 1 1 1
4		:		·	

#### **WIRING DIAGRAM: PMA-915R/915RG** 6 5 1U-2728-3 Europe model U.S.A.& Canada Multi -Voltage Europe 1U-2729-5 model model models WHT **※** 1 BLU BLU AC CORD CN502A BRN BLK **※** 2 BRN \*\*\*\*\* RED BRN BLU CN2B 1U-2728-1 BLU 1U-2729-5 (P) Multi-Voltages model 된 CN3B AC CORD CN801B Europe, U.S.A. & Canada Models RED : CN901A CN901B POWER TRANSFORMER WHT 0 CN501B CN502B 10-2729-7 RED R 0 0 RED BLK U.S.A. & Canada models YEL RED BLK CN701B RED AC CORD RED Multi-Voltages model 1U-2729-3 POWER TRANSFORMER WHT BRN 0 ORG I 1U-2728-4 Ó CN201B GRY Multi-Voltage model RED YEL CN701A CN201A VOLTAGE SELECTOR BRN ORG BLU 6 1 GRY ORG 5 2 BLU 3 ORG CN802B CN802A CN801A RED 4 YEL CN501A 1U-2728-2 1U - 2729 - 61U-2729-4 1U-2729-1

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## PARTS LIST OF EXPLODED VIEW (PMA-915R/915RG)

Ref. N	Vo.	Parts No.	Parts Name	Remarks	Q'ty	Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
• 1		Note	Main Unit Ass'y		1s	50	204 8278 009	6 P Pin Jack(S-GND)		1
<u>-</u> 1-1	.		Main Unit		(1)	△ 51	212 1101 006	Power Switch(TV-5)		1
1-2	2	_	Speaker Switch Unit		(1)	52	204 8413 002	2 P Pin Jack(C-GND)	Phono	1
1-3	3	_	Speaker Terminal Unit		(1)	53	112 0747 006	VR Knob Joint		1
L 1-4	1	-	16 V Unit		(1)	54	112 0643 003	VR Knob Joint(B)		1
2		254 6161 016	Chemicon 12000µF/63 V	C705,706	2	<b>★</b> 55	Note	Masking Sheet		1
3		212 0336 005	Rotary Switch	SW101 Rec Out	1	56	445 0048 003	Cord Holder (L=76)		1
4		212 1097 000	1 P Push Switch	SW201 Loudness	1	57	122 0212 004	Spacer		1
5		212 1127 006	1 P Push Switch	SW202 S.Direct	1	58	461 0550 030	Rubber Pad	20x20 t25	1
6		212 1132 004	2 P Push Switch	SW501 SP-A/B	1	● 59	412 3225 108	P.W.B Bracket (A)		2
7		214 0127 003	Relay (RY-12W)	RL101~106	6	60	Note	Card Spacer (L=10)		(n)
8		214 9003 005	Relay	RL601	1	61	124 0032 002	Felt Sheet	t2	1
9		211 0798 103	Variable Resistor100kohm	VR202 Balance	1	62	462 0094 007	Screw Tube		2
10	)	211 0834 009	Variable Resistor 30kohm	VR204 Bass	1	63	412 3869 001	Radiator Bracket		1
11		211 0834 012	Variable Resistor 10kohm	VR203 Treble	1	64	417 0507 002	Cu Plate		1
12	- 1	Note	8 P SP Terminal		1 1	65	Note	P.W.B. Bracket		1
13	3	Note	Control Unit Ass'y		1s	△ 66	Note	Fuse nAT	F003	1
<sub>-13</sub>	-1		μ-com Unit		(1)	67				
13-	-2	_	Phono EQ. Unit		(1)	1				
13-	-3	-	Main Vol. Unit		(1)					
13-	4	-	Power Switch Unit		(1)	SCREV	NS			
13-	-5	_	AC Unit		(1)					10
13-	-6	_	Remocon Sensor Unit		(1)	101	473 7002 018	Tapping Screw(S)3x8		18
L13-	-7	_	P.T. Unit		(1)	102	473 7004 003	Tapping Screw(S)4x8	Di- t	2
14	4	212 1099 008	1 P Push Switch	SW901 MM/MC	1 1	103	Note	Tapping Screw(S)3x8	Black	(n)
15	5	211 0761 004	Variable Resistor 30kohm	VR201 Main Vol.	1	104	473 8007 009	Cup Screw 3x12		2
16	6	499 0150 008	Remocon Sensor	SBX1610-52	1	105	473 7002 021	Tapping Screw (S)3x8		
<b>△</b> 1	7	214 0142 004	Relay (TV-5)	RL001	1	106	Note	Fixing Screw	Black	(n)
<b>△</b> 11	8	Note	Fuse n A T	F002	1	107	473 7508 017	Tapping Screw(P)3x10	Black	11 2
<b>△</b> 1!	9	Note	Fuse n A T	F001	- 1	108	473 7508 004 Note	Tapping Screw(P)3x6	DIACK	
△ 21	0	Note	3 P AC Outlet		1	109 110	473 7004 029	3 P Swelling Screw Tapping Screw(S)4x10		(n) 4
②     ②     ②     ③     ②     ③     ③     ②     ③     ③     ③     ②     ③     ③     ③     ③     ③     ③     ③     ③     ②     ⑤     ③     ②     ⑤     ③     ②     ⑤     ③     ②     ③     ②     ⑤     ③     ②     ⑤     ③     ②     ⑤     ③     ②     ⑤     ③     ⑤     ③     ②     ⑤     ③     ②     ⑤     ③     ②     ⑤     ③     ②     ⑤     ③     ②     ⑤     ③     ②     ⑤     ③     ⑤     ③     ②     ⑤     ③     ⑤     ⑥     ⑤     ⑤     ⑤     ⑥     ⑤     ⑤     ⑥     ⑤     ⑥	1	411 1267 411	:Main Chassis	1	1	111	Note	Tapping Screw(S)3x6		2
2:	2	104 0194 108	Foot Ass'y		4	112	Note	Tapping Screw(S)4x20		4
2:	3	461 0774 007	Spacer		2	112	14018	Tapping Ociento/1220		
	4	Note	Rear Panel		1		l			
2:	5	205 0071 016	Terminal Ass'y		1	PACKI	NG & ACCE	SSORIES (Not include	d EXPLODED VIE	W.)
△ 2	6	Note	AC Cord with Plug		1	151	Note	Envelope Sub Ass'y		1s
<b>△</b> 2	7	415 0305 017	P.V.C. Tube		1	_ 151-1	505 8006 019	Envelope		(1)
<b>△</b> 2	8	445 0056 008	Cord Bush		1	151-2	Note	Inst. Manual		(1)
2	9	417 0503 116	Power Radiator		1	151-3	499 0277 004	Remote Control	RC-176	(1)
3	0	273 0389 002	Transistor 2SC3855(O/P/Y)(Z)	TR319,320	2	151-4	_	Batteries		(2)
3	1	271 0240 006	Transistor 2SA1491(O/P/Y)(Z)	TR321,322	2	152	504 9102 003	Styrene Paper		1
● 3	2	412 3837 101	Side Bracket		2	153	Note	Poly Cover	1	(n)
3	3	415 0234 007	Insulating Sheet		4	● 154	Note	Cushion	1	2
3	4	Note	Inner Panel		1	<ul><li>155</li></ul>	Note	Carton Case	**************************************	1
3	5	Note	Function Button		1	156	Note	Color Label(Gold)		2
3	6	412 3835 103	Support Bracket		1	157	Note	Side Pad		2
Δ 3	20000000	Note	Power Trans		1	158	Note	DEL Warranty Home		1
	8	Note	Knob (Round)(S)		3	159	Note	UPC Label		1
1	19	Note	Knob (Fuji)		1	160	Note	CSALabel		1
1	0	Note	Push Button (Round)		4					
1	11	Note	Power Button Ass'y		1					
1	2	Note	Front Panel Ass'y		1				1	
	13	Note	VR Knob Ass'y		1					approximate and a second
1	14	461 0769 009	Rubber Sheet	100x8xT1	1					
1	15	445 8004 007	Wire Clamper		10					
ł	16	Note	Top Cover		1					
1	17	461 0501 089	Rubber Sheet	for T. Cover side	2					
1	18	Note	Headphone Jack		1					
1	19	204 8266 008	4 P Pin Jack(S-GND)	Tape	2					
. 4			1	1 '	i -		1	I	1	1

## **ADDENDUM LIST**

Ref. No.	Darte Name 9 December	Part No.							
Ref. No.	Parts Name & Description		Europe Black	Europe Gold	U.S.A. Black	Canada Black	MVoltage Gold		
● 1	Main Amp. Unit Ass'y	(1s)	1U- 2728 A	1U- 2728 B	1U- 2728 D	1U- 2728 D	1U- 2728 G		
12	8P SP Terminal	(1)	205 0484 001	205 0484 001	205 0632 002	205 0632 002	205 0472 013		
● 13	Control Unit Ass'y	(1s)	1U- 2729 A	1U- 2729 A	1U- 2729 D	1U- 2729 D	1U-2729 G		
<b>∆</b> 18	Fuse n A (F002)	(1)	206 1015 029	206 1015 029	206 1046 014	206 1046 014	206 1015 061		
			1AT	1AT	8AT	8AT	2AT		
△ 19	Fuse n A (F001)	(1)	206 1015 032	206 1015 029	206 1046 001	206 1046 001	206 1036 011		
			2.5 AT	2.5 A T	6.3 AT	6.3 AT	6.3 A T		
△ 20	3 P AC Outlet	(1)	203 3950 002	203 3950 002	203 3926 007	203 3926 007	203 3926 007		
24	Rear Panel	(1)	105 1128 105	105 1128 105	105 1128 134	105 1128 134	105 1128 147		
△ 26	AC Cord with Plug	(1)	206 2063 009	206 2063 009	206 2060 002	206 2060 002	206 2054 005		
34	Inner Panel	(1)	146 1505 101	146 1505 114	146 1505 169	146 1505 169	146 1505 198		
35	Function Button	(1)	113 1686 101	113 1686 114	113 1686 127	113 1686 127	113 1686 130		
<b>∆</b> 37	Power Trans	(1)	233 6104 005	233 6104 005	233 6128 007	233 6128 007	233 6129 006		
38	Knob(Round)	(3)	112 0646 000	112 0646 013	112 0646 000	112 0646 000	112 0646 042		
39	Knob(Fuji)	(1)	112 0641 005	112 0641 018	112 0641 005	112 0641 005	112 0641 047		
40	Push Button(Round)	(4)	113 1356 004	113 1356 017	113 1356 004	113 1356 004	113 1356 062		
41	Power Button	(1)	113 9213 000	113 9213 026	113 9213 000	113 9213 000	113 9213 039		
42	Front Panel Ass'y	(1)	144 2385 201	144 2385 214	144 2385 201	144 2385 201	144 2385 227		
43	VR Knob Ass'y	(1)	112 0744 009	112 0744 012	112 0744 009	112 0744 009	112 0744 025		
46	Top Cover	(1)	102 0521 128	102 0521 131	102 0521 128	102 0521 128	102 0521 144		
48	Headphone Jack	(1)	204 8354 004	204 8355 003	204 8354 004	204 8354 004	204 8355 003		
55	Masking Sheet	(1)	513 1144 005	513 1144 005	513 9224 008	513 9224 008	_		
60	Card Spacer (L=10)		412 2814 028	412 2814 028	412 2814 028	412 2814 028	412 2814 028		
			(1)	(1)	(2)	(2)	(2)		
65	P.W.B. Bracket	(1)	_	_	412 3485 003	412 3485 003	412 3485 003		
△ 66	Fuse nA (F003)	(1)	_	-[	_	-	206 1015 032		
							2.5 AT		
△ 80	Voltage Set. Switch	(1)	_	-	_	_	212 0363 007		
81	Wood Board (L)	(1)	_	_	_	<del>-</del>	101 2541 006		
82	Wood Board (R)	(1)	_	_	_		101 2542 005		
83	Felt Sheet	(4)	_	— ·	_	_	124 0032 015		
84	Washer ¢5	(4)	-	_ ·	_	-	475 1006 016		
SCRE	ws								
103	Tapping Screw (S) 3x8	(n)	473 7015 018	473 7015 018	473 7015 018	473 7015 018	473 7015 018		
			(12)	(12)	(13)	(13)	(15)		
106	Fixing Screw	(n)	477 0064 107	477 0064 107	477 0064 107	477 0064 107	477 0064 107		
			(13)	(13)	(9)	(9)	(9)		
	3 P Swelling Screw	(4)	477 0263 005	477 0263 018	477 0263 005	477 0263 005	_		
109		(0)	_	_	473 7002 005	473 7002 005	473 7002 005		
109	Tapping Screw (S) 3x6	(2)					473 7007 039		
	Tapping Screw (S) 3x6 Tapping Screw (S) 4x20	(4)	_	_	_	_			
111 112		(4)		DED VIEW.)		_			
111 112	Tapping Screw (S) 4x20	(4) Not in			GEN 2791-01	GEN 2791-01			
111 112 PACK	Tapping Screw (S) 4x20  (ING & ACCESSORIES ( Envelope Sub. Ass'y	(4) Not in (1s)	GEN 2791	GEN 2791	GEN 2791-01 511 2633 108	GEN 2791-01 511 2633 108	GEN 2791-02		
111 112 PACK	Tapping Screw (S) 4x20  ING & ACCESSORIES ( Envelope Sub. Ass'y Inst. Manual	(4) Not in	GEN 2791	GEN 2791 511 2633 108	GEN 2791-01 511 2633 108 505 9102 006	511 2633 108	GEN 2791-02 511 2678 008		
111 112 PACK	Tapping Screw (S) 4x20  (ING & ACCESSORIES ( Envelope Sub. Ass'y	(4) Not in (1s)	GEN 2791 511 2633 108 505 9102 006	GEN 2791 511 2633 108 505 9102 006	511 2633 108 505 9102 006	511 2633 108 505 9102 006	GEN 2791-02 511 2678 008 515 9102 006		
111 112 PACK 151 151-2 153	Tapping Screw (S) 4x20  ING & ACCESSORIES ( Envelope Sub. Ass'y Inst. Manual	(4) Not inc (1s) (1)	GEN 2791 511 2633 108	GEN 2791 511 2633 108 505 9102 006 (1)	511 2633 108 505 9102 006 (1)	511 2633 108 505 9102 006 (1)	GEN 2791-02 511 2678 008 515 9102 006 (2)		
111 112 PACK	Tapping Screw (S) 4x20  ING & ACCESSORIES (  Envelope Sub. Ass'y Inst. Manual Poly Cover	(4) Not inc (1s) (1)	GEN 2791 511 2633 108 505 9102 006 (1)	GEN 2791 511 2633 108 505 9102 006 (1) 503 1044 205	511 2633 108 505 9102 006 (1) 503 1044 205	511 2633 108 505 9102 006 (1) 503 1044 205	GEN 2791-02 511 2678 008 515 9102 006 (2) 503 1044 205		
111 112 PACK 151 151-2 153 154 155	Tapping Screw (S) 4x20  ING & ACCESSORIES ( Envelope Sub. Ass'y Inst. Manual Poly Cover  Cushion Carton Case	(4) Not inc (1s) (1) (2) (1)	GEN 2791 511 2633 108 505 9102 006 (1) 503 1044 205	GEN 2791 511 2633 108 505 9102 006 (1) 503 1044 205 501 1796 007	511 2633 108 505 9102 006 (1)	511 2633 108 505 9102 006 (1)	GEN 2791-02 511 2678 008 515 9102 006 (2) 503 1044 205 501 1796 010		
111 112 PACK 151 151-2 153 154 155 156	Tapping Screw (S) 4x20  ING & ACCESSORIES ( Envelope Sub. Ass'y Inst. Manual Poly Cover  Cushion	(4) Not in (1s) (1) (2) (1) (2)	GEN 2791 511 2633 108 505 9102 006 (1) 503 1044 205	GEN 2791 511 2633 108 505 9102 006 (1) 503 1044 205	511 2633 108 505 9102 006 (1) 503 1044 205	511 2633 108 505 9102 006 (1) 503 1044 205	GEN 2791-02 511 2678 008 515 9102 006 (2) 503 1044 205 501 1796 010 513 9111 001		
111 112 PACK [ 151 151-2 153 154 155 156 157	Tapping Screw (S) 4x20  ING & ACCESSORIES ( Envelope Sub. Ass'y Inst. Manual Poly Cover  Cushion Carton Case Color Label(Gold) Side Pad	(4) Not inc (1s) (1) (2) (1) (2) (2) (2)	GEN 2791 511 2633 108 505 9102 006 (1) 503 1044 205	GEN 2791 511 2633 108 505 9102 006 (1) 503 1044 205 501 1796 007	511 2633 108 505 9102 006 (1) 503 1044 205 501 1796 007	511 2633 108 505 9102 006 (1) 503 1044 205 501 1796 007 —	GEN 2791-02 511 2678 008 515 9102 006 (2) 503 1044 205 501 1796 010 513 9111 001		
111 112 PACK 151 151-2 153 154 155 156	Tapping Screw (S) 4x20  ING & ACCESSORIES ( Envelope Sub. Ass'y Inst. Manual Poly Cover  Cushion Carton Case Color Label(Gold)	(4) Not in (1s) (1) (2) (1) (2)	GEN 2791 511 2633 108 505 9102 006 (1) 503 1044 205	GEN 2791 511 2633 108 505 9102 006 (1) 503 1044 205 501 1796 007	511 2633 108 505 9102 006 (1) 503 1044 205	511 2633 108 505 9102 006 (1) 503 1044 205	GEN 2791-02 511 2678 008 515 9102 006		

- Part indicated with the mark \* ® \* are not always in stock and possibly to take a long period of time for supplying, or in some case supplying of part may be refused.
- When ordering of part, clearly indicate "1" and "1" (i) to avoid mis-supplying.
- Ordering part without stating its part number can not be supplied.
- Part indicated with the mark "\*" is not illustrated in the exploded view.

#### WARNING:

Parts marked with this symbol A have critical characteristics.

Use ONLY replacement parts recommended by the manufacturer.

## **EXPLODED VIEW OF CHASSIS AND CABINET: PMA-715R/715RG** 2 3 5 6 Multi Voltage Model 26 Europe Model Multi Voltage Model U.K. Model Multi Voltage 26 Model Multi Voltage Model 82 (103) 26)A U.K. Model 60 103 80 A Multi Voltage Model 103 (29) 24 (16) (13)-3 (62) (41) A) (22) (22) (101) (101) (39) WARNING: Parts marked with this symbol A have critical characteristics.

Use ONLY replacement parts recommended by the manufacturer.

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is located and corrected.

